

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031865.D
 Acq On : 04 Oct 2022 12:13
 Operator : JC/MD
 Sample : VX1004WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 06:19:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	105343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	150595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83072	44.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.040%		
35) Dibromofluoromethane	5.385	113	83411	46.618	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	8.647	98	310578	48.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.040%		
62) 4-Bromofluorobenzene	11.079	95	112325	48.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	26320	19.327	ug/l	97
3) Chloromethane	1.288	50	24058	16.852	ug/l	98
4) Vinyl Chloride	1.374	62	30855	16.967	ug/l	97
5) Bromomethane	1.612	94	23712	16.897	ug/l	99
6) Chloroethane	1.691	64	26112	15.815	ug/l	97
7) Trichlorofluoromethane	1.886	101	60258	16.237	ug/l	99
8) Diethyl Ether	2.130	74	19364	17.423	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	28366	17.693	ug/l	88
10) Methyl Iodide	2.453	142	21917	14.563	ug/l	99
11) Tert butyl alcohol	3.002	59	24927m	94.869	ug/l	
12) 1,1-Dichloroethene	2.319	96	26075	17.712	ug/l	81
13) Acrolein	2.239	56	12156	78.143	ug/l	95
14) Allyl chloride	2.660	41	30392	16.173	ug/l #	92
15) Acrylonitrile	3.069	53	58984	85.941	ug/l	98
16) Acetone	2.392	43	45283	92.525	ug/l	93
17) Carbon Disulfide	2.514	76	59248	15.561	ug/l	99
18) Methyl Acetate	2.709	43	30237	17.128	ug/l #	79
19) Methyl tert-butyl Ether	3.111	73	84658	17.664	ug/l	92
20) Methylene Chloride	2.788	84	29678	17.975	ug/l #	79
21) trans-1,2-Dichloroethene	3.093	96	29991	17.378	ug/l	84
22) Diisopropyl ether	3.757	45	68009	17.068	ug/l #	81
23) Vinyl Acetate	3.721	43	262109	87.940	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	45671	17.056	ug/l	94
25) 2-Butanone	4.568	43	74260	85.751	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	36253	15.858	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	35836	17.858	ug/l	78
28) Bromochloromethane	4.904	49	20354	18.808	ug/l #	47
29) Tetrahydrofuran	5.007	42	46959	87.823	ug/l #	75
30) Chloroform	5.093	83	55603	17.357	ug/l	98
31) Cyclohexane	5.477	56	39131	17.409	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	50871	16.734	ug/l	94
36) 1,1-Dichloropropene	5.696	75	38364	17.292	ug/l	93
37) Ethyl Acetate	4.715	43	29624	17.640	ug/l #	92
38) Carbon Tetrachloride	5.672	117	46833	17.005	ug/l	96
39) Methylcyclohexane	7.379	83	49056	18.024	ug/l	86
40) Benzene	6.038	78	115727	18.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
 Data File : VX031865.D
 Acq On : 04 Oct 2022 12:13
 Operator : JC/MD
 Sample : VX1004WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/05/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 06:19:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15983	17.514	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	39588	17.632	ug/l	93
43) Isopropyl Acetate	6.342	43	46937	17.286	ug/l #	90
44) Trichloroethene	7.129	130	37961	18.334	ug/l	82
45) 1,2-Dichloropropane	7.434	63	26197	17.447	ug/l	94
46) Dibromomethane	7.580	93	23155	18.502	ug/l #	85
47) Bromodichloromethane	7.824	83	42310	16.892	ug/l	95
48) Methyl methacrylate	7.696	41	22494	18.512	ug/l #	84
49) 1,4-Dioxane	7.714	88	14970	380.110	ug/l #	82
51) 4-Methyl-2-Pentanone	8.574	43	155883	91.456	ug/l	90
52) Toluene	8.720	92	83241	18.526	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	39041	16.346	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	44569	17.029	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	33227	18.553	ug/l	98
56) Ethyl methacrylate	9.116	69	41043	19.820	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	51446	18.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	101788	95.390	ug/l #	82
59) 2-Hexanone	9.433	43	116310	93.866	ug/l	87
60) Dibromochloromethane	9.519	129	37407	17.206	ug/l	99
61) 1,2-Dibromoethane	9.610	107	37589	18.902	ug/l	99
64) Tetrachloroethene	9.275	164	38398	18.101	ug/l	92
65) Chlorobenzene	10.080	112	95839	18.627	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	35419	17.885	ug/l	99
67) Ethyl Benzene	10.195	91	156527	18.482	ug/l	94
68) m/p-Xylenes	10.305	106	132606	37.926	ug/l	91
69) o-Xylene	10.640	106	64121	19.035	ug/l	92
70) Styrene	10.659	104	103848	18.967	ug/l	96
71) Bromoform	10.799	173	26743	16.058	ug/l #	98
73) Isopropylbenzene	10.964	105	166006	18.375	ug/l	97
74) N-amyl acetate	10.842	43	39075	18.467	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	47474	18.461	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	40266m	17.304	ug/l	
77) Bromobenzene	11.201	156	45360	19.036	ug/l	82
78) n-propylbenzene	11.305	91	181718	18.403	ug/l	94
79) 2-Chlorotoluene	11.366	91	110578	18.534	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	143407	19.009	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	10075	14.863	ug/l	93
82) 4-Chlorotoluene	11.457	91	123210	17.891	ug/l	91
83) tert-Butylbenzene	11.713	119	142516	18.690	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	141057	18.787	ug/l	96
85) sec-Butylbenzene	11.890	105	172181	18.757	ug/l	96
86) p-Isopropyltoluene	12.012	119	151852	18.955	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	84523	18.800	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	86691	18.461	ug/l	97
89) n-Butylbenzene	12.335	91	115422	18.241	ug/l	97
90) Hexachloroethane	12.536	117	22422	15.515	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	85353	18.956	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9644	17.834	ug/l	69
93) 1,2,4-Trichlorobenzene	13.591	180	52549	19.069	ug/l	97
94) Hexachlorobutadiene	13.725	225	21020	18.537	ug/l	100
95) Naphthalene	13.774	128	177446	20.672	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	53913	20.175	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100422\
Data File : VX031865.D
Acq On : 04 Oct 2022 12:13
Operator : JC/MD
Sample : VX1004WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/05/2022
Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 06:19:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 06:59:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

