

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031765.D
 Acq On : 29 Sep 2022 11:51
 Operator : JC/MD
 Sample : VX0929WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 04:28:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	65540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	98469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69712	50.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.240%			
35) Dibromofluoromethane	5.385	113	61036	52.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	8.647	98	209101	49.158	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.320%			
62) 4-Bromofluorobenzene	11.079	95	79771	51.167	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	15273	19.148	ug/l	96
3) Chloromethane	1.288	50	14565	18.719	ug/l	100
4) Vinyl Chloride	1.374	62	18615	16.958	ug/l	94
5) Bromomethane	1.611	94	17004	12.955	ug/l	96
6) Chloroethane	1.685	64	18064	12.969	ug/l	99
7) Trichlorofluoromethane	1.886	101	43821	14.233	ug/l	99
8) Diethyl Ether	2.130	74	15929	18.296	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	18337	21.048	ug/l	91
10) Methyl Iodide	2.453	142	14549	17.037	ug/l	98
11) Tert butyl alcohol	3.007	59	22143m	107.390	ug/l	
12) 1,1-Dichloroethene	2.319	96	15583	21.714	ug/l	90
13) Acrolein	2.239	56	6732	59.242	ug/l	96
14) Allyl chloride	2.660	41	21723	18.952	ug/l	94
15) Acrylonitrile	3.068	53	48443	100.346	ug/l	100
16) Acetone	2.392	43	40175	114.426	ug/l	95
17) Carbon Disulfide	2.514	76	27893	18.129	ug/l	97
18) Methyl Acetate	2.703	43	25138	20.110	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	65353	21.123	ug/l	93
20) Methylene Chloride	2.788	84	21150	23.134	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	18566	19.277	ug/l	89
22) Diisopropyl ether	3.757	45	55630	18.857	ug/l #	86
23) Vinyl Acetate	3.721	43	219930	94.266	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	32983	19.393	ug/l	96
25) 2-Butanone	4.568	43	65496	98.643	ug/l #	89
26) 2,2-Dichloropropane	4.471	77	24907	18.043	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	24191	20.509	ug/l	85
28) Bromochloromethane	4.897	49	15824	19.889	ug/l #	76
29) Tetrahydrofuran	5.013	42	39287	94.189	ug/l #	83
30) Chloroform	5.092	83	41476	19.824	ug/l	95
31) Cyclohexane	5.464	56	24154	18.262	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	34990	20.192	ug/l	97
36) 1,1-Dichloropropene	5.690	75	25480	18.910	ug/l	97
37) Ethyl Acetate	4.714	43	26529	19.520	ug/l	96
38) Carbon Tetrachloride	5.678	117	30377	20.004	ug/l	98
39) Methylcyclohexane	7.385	83	30070	19.587	ug/l	89
40) Benzene	6.037	78	80150	19.367	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	13546	19.588	ug/l	90
42) 1,2-Dichloroethane	6.086	62	32954	20.590	ug/l	96
43) Isopropyl Acetate	6.342	43	40725	19.039	ug/l #	95
44) Trichloroethene	7.129	130	23804	20.365	ug/l	86
45) 1,2-Dichloropropane	7.433	63	19521	19.436	ug/l #	88
46) Dibromomethane	7.580	93	17184	21.304	ug/l	93
47) Bromodichloromethane	7.824	83	31090	21.360	ug/l	98
48) Methyl methacrylate	7.696	41	19001	20.198	ug/l #	85
49) 1,4-Dioxane	7.696	88	11885	498.523	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	134672	99.465	ug/l	93
52) Toluene	8.720	92	54848	19.883	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28238	18.049	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	31490	20.818	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	24737	20.828	ug/l	99
56) Ethyl methacrylate	9.116	69	31904	20.995	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	38788	20.622	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	78123	104.407	ug/l #	88
59) 2-Hexanone	9.433	43	98748	97.750	ug/l	90
60) Dibromochloromethane	9.518	129	24726	18.821	ug/l	100
61) 1,2-Dibromoethane	9.610	107	26488	21.970	ug/l	98
64) Tetrachloroethene	9.275	164	23678	19.578	ug/l	97
65) Chlorobenzene	10.079	112	63639	20.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	23897	21.069	ug/l	98
67) Ethyl Benzene	10.195	91	107348	20.018	ug/l	100
68) m/p-Xylenes	10.305	106	85524	39.693	ug/l	97
69) o-Xylene	10.640	106	42200	20.038	ug/l	96
70) Styrene	10.652	104	70724	20.631	ug/l	97
71) Bromoform	10.799	173	16798	18.689	ug/l #	99
73) Isopropylbenzene	10.963	105	112109	20.041	ug/l	100
74) N-amyl acetate	10.841	43	34429	18.973	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	36994	20.813	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32873m	20.963	ug/l	
77) Bromobenzene	11.201	156	27894	19.615	ug/l	94
78) n-propylbenzene	11.305	91	127211	20.436	ug/l	99
79) 2-Chlorotoluene	11.366	91	76347	19.861	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	98857	20.847	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7506	18.342	ug/l	89
82) 4-Chlorotoluene	11.457	91	91522	20.609	ug/l	97
83) tert-Butylbenzene	11.713	119	96432	21.088	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	100417	21.394	ug/l	100
85) sec-Butylbenzene	11.890	105	118630	20.413	ug/l	99
86) p-Isopropyltoluene	12.012	119	103719	20.696	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	55279	20.051	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	57378	19.883	ug/l	99
89) n-Butylbenzene	12.335	91	81674	19.950	ug/l	99
90) Hexachloroethane	12.542	117	15036	18.710	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	57049	20.663	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7262	20.389	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	32847	20.345	ug/l	97
94) Hexachlorobutadiene	13.725	225	13001	20.651	ug/l	98
95) Naphthalene	13.774	128	116178	21.542	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	32943	19.881	ug/l	100

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

