

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031083.D
 Acq On : 03 Sep 2022 15:31
 Operator : JC/MD
 Sample : VX0903WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 00:12:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	202538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	310691	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	122155	46.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.740%		
35) Dibromofluoromethane	5.385	113	115332	50.867	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.740%		
50) Toluene-d8	8.653	98	410451	49.188	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.380%		
62) 4-Bromofluorobenzene	11.079	95	144315	48.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	40526	19.446	ug/l	98
3) Chloromethane	1.288	50	31656	17.185	ug/l	98
4) Vinyl Chloride	1.374	62	38188	17.542	ug/l	94
5) Bromomethane	1.611	94	23176	23.813	ug/l	93
6) Chloroethane	1.685	64	16182	12.100	ug/l	100
7) Trichlorofluoromethane	1.886	101	75650	20.565	ug/l	96
8) Diethyl Ether	2.136	74	23900	18.629	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.325	101	49864	20.465	ug/l	92
10) Methyl Iodide	2.453	142	62521	27.879	ug/l	96
11) Tert butyl alcohol	3.001	59	59717m	100.553	ug/l	
12) 1,1-Dichloroethene	2.319	96	47600	20.230	ug/l	87
13) Acrolein	2.239	56	26557	55.688	ug/l	98
14) Allyl chloride	2.666	41	57817	18.502	ug/l #	88
15) Acrylonitrile	3.069	53	114219	93.482	ug/l	97
16) Acetone	2.392	43	94067	93.500	ug/l	100
17) Carbon Disulfide	2.508	76	107770	17.637	ug/l	100
18) Methyl Acetate	2.709	43	54714	18.926	ug/l #	86
19) Methyl tert-butyl Ether	3.117	73	145374	20.062	ug/l	93
20) Methylene Chloride	2.788	84	50804	19.413	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	49715	18.988	ug/l	90
22) Diisopropyl ether	3.764	45	123174	19.563	ug/l #	88
23) Vinyl Acetate	3.721	43	496553	97.636	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	80307	18.928	ug/l	98
25) 2-Butanone	4.562	43	145076	93.406	ug/l	90
26) 2,2-Dichloropropane	4.483	77	67769	20.017	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	58477	19.928	ug/l	92
28) Bromochloromethane	4.891	49	22033	17.528	ug/l #	62
29) Tetrahydrofuran	5.013	42	88579	88.462	ug/l #	79
30) Chloroform	5.093	83	89854	19.313	ug/l	92
31) Cyclohexane	5.471	56	67926	19.080	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	83722	20.992	ug/l	95
36) 1,1-Dichloropropene	5.690	75	64214	20.220	ug/l	97
37) Ethyl Acetate	4.721	43	55086	19.963	ug/l	94
38) Carbon Tetrachloride	5.678	117	72960	22.132	ug/l	96
39) Methylcyclohexane	7.385	83	83455	21.203	ug/l	90
40) Benzene	6.037	78	193828	21.258	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	30870	20.984	ug/l	90
42) 1,2-Dichloroethane	6.086	62	67714	22.513	ug/l	100
43) Isopropyl Acetate	6.342	43	86888	20.148	ug/l #	92
44) Trichloroethene	7.129	130	59592	20.649	ug/l	91
45) 1,2-Dichloropropane	7.427	63	48498	20.751	ug/l	98
46) Dibromomethane	7.580	93	35613	20.359	ug/l #	87
47) Bromodichloromethane	7.824	83	73190	22.396	ug/l	98
48) Methyl methacrylate	7.696	41	46813	21.502	ug/l	88
49) 1,4-Dioxane	7.702	88	26591	401.545	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	277947	100.257	ug/l	88
52) Toluene	8.720	92	122898	20.784	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	70356	21.743	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	79708	22.030	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	52959	21.067	ug/l	98
56) Ethyl methacrylate	9.116	69	73590	21.413	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	82926	20.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	180112	104.954	ug/l	92
59) 2-Hexanone	9.433	43	216247	103.146	ug/l	89
60) Dibromochloromethane	9.525	129	58360	22.358	ug/l	98
61) 1,2-Dibromoethane	9.610	107	58100	21.892	ug/l	99
64) Tetrachloroethene	9.275	164	52599	19.307	ug/l	97
65) Chlorobenzene	10.079	112	137961	21.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	54960	22.840	ug/l	97
67) Ethyl Benzene	10.195	91	238349	21.349	ug/l	99
68) m/p-Xylenes	10.305	106	188040	42.945	ug/l	99
69) o-Xylene	10.640	106	94255	21.949	ug/l	100
70) Styrene	10.659	104	154512	22.233	ug/l	99
71) Bromoform	10.799	173	43147	23.060	ug/l #	99
73) Isopropylbenzene	10.963	105	242520	21.315	ug/l	99
74) N-amyl acetate	10.842	43	73038	21.267	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	78202	21.493	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	67832m	20.330	ug/l	
77) Bromobenzene	11.201	156	63343	21.593	ug/l	85
78) n-propylbenzene	11.305	91	275670	21.273	ug/l	96
79) 2-Chlorotoluene	11.366	91	163367	20.473	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	206967	21.615	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	22895	21.565	ug/l	94
82) 4-Chlorotoluene	11.457	91	184565	20.671	ug/l	92
83) tert-Butylbenzene	11.719	119	211478	22.191	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	216064	22.703	ug/l	97
85) sec-Butylbenzene	11.890	105	290483	23.272	ug/l	99
86) p-Isopropyltoluene	12.012	119	217369	21.989	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	115547	20.563	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	118723	21.215	ug/l	97
89) n-Butylbenzene	12.335	91	183252	20.559	ug/l	97
90) Hexachloroethane	12.542	117	41831	23.350	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	117670	20.417	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19633	22.147	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	86572	23.735	ug/l	97
94) Hexachlorobutadiene	13.725	225	36693	22.976	ug/l	99
95) Naphthalene	13.774	128	296668	23.189	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	90097	23.548	ug/l	94

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

