

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027828.D
 Acq On : 30 Mar 2022 22:53
 Operator : JC/MD
 Sample : VX0330WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

Quant Time: Mar 31 07:30:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	76192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128978	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48384	49.216	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.440%		
35) Dibromofluoromethane	5.391	113	41037	49.292	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.580%		
50) Toluene-d8	8.653	98	137822	47.051	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.100%		
62) 4-Bromofluorobenzene	11.085	95	55589	44.657	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13895	20.126	ug/l	97
3) Chloromethane	1.294	50	10990	18.014	ug/l	98
4) Vinyl Chloride	1.374	62	12011	19.196	ug/l	94
5) Bromomethane	1.599	94	7364	26.101	ug/l	97
6) Chloroethane	1.685	64	6829	16.191	ug/l	91
7) Trichlorofluoromethane	1.886	101	19594	17.851	ug/l	100
8) Diethyl Ether	2.130	74	7238	18.371	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	12671	17.761	ug/l	95
10) Methyl Iodide	2.453	142	14863	17.939	ug/l	95
11) Tert butyl alcohol	2.965	59	19908	105.424	ug/l	100
12) 1,1-Dichloroethene	2.319	96	12104	18.491	ug/l	93
13) Acrolein	2.239	56	14831	104.862	ug/l	98
14) Allyl chloride	2.666	41	21541	17.924	ug/l #	93
15) Acrylonitrile	3.062	53	47148	106.331	ug/l	99
16) Acetone	2.379	43	40249	92.510	ug/l	94
17) Carbon Disulfide	2.508	76	20191	15.078	ug/l	95
18) Methyl Acetate	2.703	43	20555	19.165	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	49246	19.746	ug/l	99
20) Methylene Chloride	2.788	84	14430	18.439	ug/l #	90
21) trans-1,2-Dichloroethene	3.093	96	12478	17.562	ug/l #	82
22) Diisopropyl ether	3.763	45	50084	20.795	ug/l #	82
23) Vinyl Acetate	3.727	43	220891	106.152	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	26438	19.512	ug/l	96
25) 2-Butanone	4.556	43	71082	112.281	ug/l #	87
26) 2,2-Dichloropropane	4.477	77	18822	17.392	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	16001	18.677	ug/l	92
28) Bromochloromethane	4.903	49	13034	22.364	ug/l	84
29) Tetrahydrofuran	5.007	42	44708	109.940	ug/l #	86
30) Chloroform	5.099	83	30073	19.965	ug/l	99
31) Cyclohexane	5.470	56	19802	18.222	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	25173	19.320	ug/l	96
36) 1,1-Dichloropropene	5.696	75	18590	17.729	ug/l	100
37) Ethyl Acetate	4.714	43	25163	19.358	ug/l	95
38) Carbon Tetrachloride	5.678	117	21443	18.510	ug/l	98
39) Methylcyclohexane	7.385	83	19082	15.465	ug/l	92
40) Benzene	6.043	78	56306	17.719	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14093	20.383	ug/l #	86
42) 1,2-Dichloroethane	6.092	62	23498	18.506	ug/l	96
43) Isopropyl Acetate	6.342	43	39049	18.755	ug/l #	91
44) Trichloroethene	7.129	130	15362	17.789	ug/l	89
45) 1,2-Dichloropropane	7.433	63	14989	17.558	ug/l	99
46) Dibromomethane	7.586	93	10732	16.704	ug/l	95
47) Bromodichloromethane	7.824	83	20849	16.294	ug/l	95
48) Methyl methacrylate	7.696	41	16730	15.322	ug/l	88
49) 1,4-Dioxane	7.665	88	8777	407.198	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	137234	95.015	ug/l	89
52) Toluene	8.720	92	34528	17.251	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	21166	16.505	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	23254	17.220	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	16140	18.180	ug/l	94
56) Ethyl methacrylate	9.116	69	24813	17.648	ug/l #	72
57) 1,3-Dichloropropane	9.311	76	26855	17.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	67068	95.543	ug/l	100
59) 2-Hexanone	9.433	43	108275	97.359	ug/l	82
60) Dibromochloromethane	9.525	129	15989	17.370	ug/l	94
61) 1,2-Dibromoethane	9.610	107	16296	17.567	ug/l	98
64) Tetrachloroethene	9.275	164	13765	18.865	ug/l	92
65) Chlorobenzene	10.079	112	39072	18.437	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	14976	18.832	ug/l	97
67) Ethyl Benzene	10.195	91	71022	18.468	ug/l	98
68) m/p-Xylenes	10.305	106	51143	36.159	ug/l	88
69) o-Xylene	10.646	106	25264	18.288	ug/l	86
70) Styrene	10.658	104	42916	18.277	ug/l #	92
71) Bromoform	10.805	173	10466	18.003	ug/l #	99
73) Isopropylbenzene	10.963	105	68574	18.610	ug/l	99
74) N-amyl acetate	10.847	43	31415	18.928	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	24854	19.864	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	23365m	20.126	ug/l	
77) Bromobenzene	11.201	156	15713	18.704	ug/l	83
78) n-propylbenzene	11.305	91	80208	18.220	ug/l	99
79) 2-Chlorotoluene	11.366	91	49902	18.038	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	58709	18.362	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	5865	17.623	ug/l #	67
82) 4-Chlorotoluene	11.457	91	59108	18.618	ug/l	93
83) tert-Butylbenzene	11.719	119	56250	18.194	ug/l	87
84) 1,2,4-Trimethylbenzene	11.756	105	59276	18.593	ug/l	95
85) sec-Butylbenzene	11.890	105	70320	18.430	ug/l	97
86) p-Isopropyltoluene	12.012	119	56981	17.954	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	29290	17.712	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	29816	17.502	ug/l	94
89) n-Butylbenzene	12.335	91	50267	17.615	ug/l	94
90) Hexachloroethane	12.542	117	8751	17.170	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	29415	18.008	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5800	19.256	ug/l	72
93) 1,2,4-Trichlorobenzene	13.591	180	16258	16.275	ug/l	96
94) Hexachlorobutadiene	13.731	225	7672	17.912	ug/l	94
95) Naphthalene	13.780	128	63344	18.161	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	17354	17.733	ug/l	96

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

