

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030922\
 Data File : VX027353.D
 Acq On : 09 Mar 2022 16:40
 Operator : JC/MD
 Sample : VX0309WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0309WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2022
 Supervised By : Mahesh Dadoda 03/11/2022

Quant Time: Mar 10 06:12:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.555	168	278530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	436009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	404014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	184951	56.942	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.880%			
35) Dibromofluoromethane	5.391	113	147339	52.371	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.740%			
50) Toluene-d8	8.646	98	533051	50.187	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.380%			
62) 4-Bromofluorobenzene	11.079	95	211042	52.133	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	65412	22.911	ug/l	100
3) Chloromethane	1.294	50	57783	19.246	ug/l	100
4) Vinyl Chloride	1.373	62	60227	19.518	ug/l	99
5) Bromomethane	1.599	94	42407	32.147	ug/l	99
6) Chloroethane	1.684	64	36803	19.377	ug/l	99
7) Trichlorofluoromethane	1.885	101	100937	23.490	ug/l	99
8) Diethyl Ether	2.135	74	34732	20.744	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.324	101	58077	20.673	ug/l	94
10) Methyl Iodide	2.452	142	83938	21.168	ug/l	94
11) Tert butyl alcohol	2.958	59	71652	112.527	ug/l	99
12) 1,1-Dichloroethene	2.318	96	53642	19.862	ug/l	96
13) Acrolein	2.233	56	39661	88.858	ug/l	97
14) Allyl chloride	2.666	41	86990	20.535	ug/l	90
15) Acrylonitrile	3.062	53	173105	103.298	ug/l	99
16) Acetone	2.379	43	164864	129.574	ug/l	90
17) Carbon Disulfide	2.507	76	134910	18.386	ug/l	99
18) Methyl Acetate	2.702	43	74893	20.975	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	192977	21.567	ug/l	99
20) Methylene Chloride	2.788	84	62763	19.779	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	57828	19.264	ug/l	98
22) Diisopropyl ether	3.763	45	181027	21.376	ug/l #	88
23) Vinyl Acetate	3.720	43	801083	113.075	ug/l	94
24) 1,1-Dichloroethane	3.611	63	106315	20.675	ug/l	98
25) 2-Butanone	4.556	43	247131	110.457	ug/l	94
26) 2,2-Dichloropropane	4.476	77	80561	21.851	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	68424	19.647	ug/l	99
28) Bromochloromethane	4.897	49	35335	16.515	ug/l	95
29) Tetrahydrofuran	5.007	42	157934	106.684	ug/l	91
30) Chloroform	5.098	83	115321	21.248	ug/l	98
31) Cyclohexane	5.470	56	90821	19.990	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	102891	22.181	ug/l	97
36) 1,1-Dichloropropene	5.696	75	82906	21.225	ug/l	99
37) Ethyl Acetate	4.714	43	91604	22.248	ug/l	97
38) Carbon Tetrachloride	5.677	117	91762	22.718	ug/l	99
39) Methylcyclohexane	7.378	83	101142	20.505	ug/l	95
40) Benzene	6.043	78	236554	19.883	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	50004	22.525	ug/l	92
42) 1,2-Dichloroethane	6.086	62	95912	24.679	ug/l	95
43) Isopropyl Acetate	6.342	43	139020	22.398	ug/l	94
44) Trichloroethene	7.128	130	65798	20.136	ug/l	97
45) 1,2-Dichloropropane	7.427	63	61343	20.578	ug/l	96
46) Dibromomethane	7.586	93	47757	22.517	ug/l	96
47) Bromodichloromethane	7.823	83	89187	22.771	ug/l	100
48) Methyl methacrylate	7.695	41	71115	23.040	ug/l	86
49) 1,4-Dioxane	7.659	88	33557	415.178	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	481295	115.820	ug/l	91
52) Toluene	8.720	92	156436	20.626	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	86358	21.489	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	95517	21.174	ug/l #	84
55) 1,1,2-Trichloroethane	9.152	97	65773	20.780	ug/l	96
56) Ethyl methacrylate	9.116	69	98347	21.065	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	110800	21.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	221594	94.007	ug/l	99
59) 2-Hexanone	9.433	43	372872	116.161	ug/l	89
60) Dibromochloromethane	9.524	129	70100	21.700	ug/l	95
61) 1,2-Dibromoethane	9.610	107	70982	21.716	ug/l	100
64) Tetrachloroethene	9.274	164	57473	20.299	ug/l	97
65) Chlorobenzene	10.079	112	173745	20.441	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	64748	21.788	ug/l	99
67) Ethyl Benzene	10.195	91	308670	21.058	ug/l	100
68) m/p-Xylenes	10.305	106	237178	41.251	ug/l	96
69) o-Xylene	10.646	106	115595	20.363	ug/l	95
70) Styrene	10.658	104	192377	20.416	ug/l	97
71) Bromoform	10.798	173	49080	20.223	ug/l #	98
73) Isopropylbenzene	10.963	105	341216	22.458	ug/l	99
74) N-amyl acetate	10.841	43	119700	21.556	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	115525	22.127	ug/l	99
76) 1,2,3-Trichloropropane	11.243	75	110625m	24.271	ug/l	
77) Bromobenzene	11.201	156	78372	20.442	ug/l	99
78) n-propylbenzene	11.304	91	412508	24.137	ug/l	99
79) 2-Chlorotoluene	11.365	91	234871	21.989	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	303294	23.284	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	30422	21.586	ug/l #	82
82) 4-Chlorotoluene	11.457	91	282356	23.368	ug/l	99
83) tert-Butylbenzene	11.719	119	311961	23.960	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	311206	24.089	ug/l	99
85) sec-Butylbenzene	11.890	105	372713	23.734	ug/l	99
86) p-Isopropyltoluene	12.012	119	286468	21.547	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	150652	20.915	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	147916	20.283	ug/l	98
89) n-Butylbenzene	12.335	91	269639	24.212	ug/l	98
90) Hexachloroethane	12.542	117	48280	23.299	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	168819	23.771	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	26895	24.586	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	111996	24.025	ug/l	99
94) Hexachlorobutadiene	13.725	225	50705	24.805	ug/l	93
95) Naphthalene	13.780	128	384252	24.553	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	114068	24.486	ug/l	94

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

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