

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032922\
 Data File : VX027785.D
 Acq On : 29 Mar 2022 19:55
 Operator : JC/MD
 Sample : VX0329WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 04:42:22 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	79351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127501	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	52140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48740	47.605	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.200%			
35) Dibromofluoromethane	5.385	113	41782	50.769	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.540%			
50) Toluene-d8	8.653	98	146217	50.496	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.085	95	61766	50.194	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	12464	17.334	ug/l	95
3) Chloromethane	1.295	50	11795	18.563	ug/l	99
4) Vinyl Chloride	1.374	62	12972	19.907	ug/l	98
5) Bromomethane	1.599	94	6126	20.849	ug/l	98
6) Chloroethane	1.673	64	8324	18.950	ug/l	96
7) Trichlorofluoromethane	1.880	101	21578	18.876	ug/l	97
8) Diethyl Ether	2.136	74	8177	19.928	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	14975	20.154	ug/l	97
10) Methyl Iodide	2.453	142	14451	16.748	ug/l #	88
11) Tert butyl alcohol	2.971	59	20866	106.098	ug/l	97
12) 1,1-Dichloroethene	2.319	96	13222	19.395	ug/l	92
13) Acrolein	2.240	56	13510	91.719	ug/l	95
14) Allyl chloride	2.660	41	25709	20.540	ug/l #	84
15) Acrylonitrile	3.069	53	49260	106.672	ug/l	97
16) Acetone	2.380	43	44913	99.120	ug/l #	87
17) Carbon Disulfide	2.508	76	25676	18.411	ug/l	98
18) Methyl Acetate	2.703	43	23699	21.217	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	55801	21.483	ug/l	98
20) Methylene Chloride	2.788	84	16212	19.891	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	14038	18.972	ug/l #	80
22) Diisopropyl ether	3.764	45	55660	22.190	ug/l #	81
23) Vinyl Acetate	3.721	43	242785	112.029	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	30166	21.377	ug/l	97
25) 2-Butanone	4.556	43	71777	108.865	ug/l	89
26) 2,2-Dichloropropane	4.483	77	24035	21.325	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	17437	19.542	ug/l	88
28) Bromochloromethane	4.904	49	12591	20.743	ug/l	94
29) Tetrahydrofuran	5.007	42	45415	107.233	ug/l	86
30) Chloroform	5.093	83	32794	20.905	ug/l	97
31) Cyclohexane	5.471	56	22194	19.610	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	26348	19.417	ug/l	98
36) 1,1-Dichloropropene	5.696	75	20711	19.981	ug/l	99
37) Ethyl Acetate	4.721	43	25191	19.604	ug/l	96
38) Carbon Tetrachloride	5.678	117	22796	19.906	ug/l	97
39) Methylcyclohexane	7.379	83	24557	20.132	ug/l #	85
40) Benzene	6.044	78	63600	20.247	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14586	21.340	ug/l	91
42) 1,2-Dichloroethane	6.092	62	23395	18.639	ug/l	99
43) Isopropyl Acetate	6.342	43	38630	18.769	ug/l	95
44) Trichloroethene	7.123	130	17062	19.987	ug/l	88
45) 1,2-Dichloropropane	7.434	63	17225	20.411	ug/l	96
46) Dibromomethane	7.580	93	12997	20.464	ug/l	89
47) Bromodichloromethane	7.824	83	25330	20.025	ug/l	95
48) Methyl methacrylate	7.696	41	22837	21.157	ug/l #	78
49) 1,4-Dioxane	7.665	88	8835	414.637	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	147490	103.299	ug/l	88
52) Toluene	8.720	92	41320	20.883	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	25362	20.006	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	27134	20.326	ug/l #	74
55) 1,1,2-Trichloroethane	9.153	97	18131	20.660	ug/l	93
56) Ethyl methacrylate	9.116	69	28234	20.313	ug/l #	73
57) 1,3-Dichloropropane	9.311	76	29985	20.303	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	60504	87.191	ug/l	96
59) 2-Hexanone	9.433	43	114146	103.827	ug/l	83
60) Dibromochloromethane	9.525	129	18031	19.815	ug/l	92
61) 1,2-Dibromoethane	9.610	107	18479	20.151	ug/l	99
64) Tetrachloroethene	9.275	164	15893	20.955	ug/l	93
65) Chlorobenzene	10.080	112	44968	20.414	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	16689	20.190	ug/l	99
67) Ethyl Benzene	10.195	91	83505	20.890	ug/l	99
68) m/p-Xylenes	10.305	106	60818	41.368	ug/l	89
69) o-Xylene	10.647	106	30495	21.236	ug/l	90
70) Styrene	10.659	104	50281	20.601	ug/l #	92
71) Bromoform	10.799	173	11760	19.271	ug/l #	97
73) Isopropylbenzene	10.964	105	81530	21.001	ug/l	99
74) N-amyl acetate	10.842	43	36857	21.077	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.214	83	27793	21.083	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	26979m	22.057	ug/l	
77) Bromobenzene	11.201	156	18756	21.191	ug/l	85
78) n-propylbenzene	11.305	91	96066	20.713	ug/l	96
79) 2-Chlorotoluene	11.366	91	59425	20.388	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	69957	20.768	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	7098	19.724	ug/l #	73
82) 4-Chlorotoluene	11.457	91	69161	20.677	ug/l	95
83) tert-Butylbenzene	11.720	119	65641	20.152	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	70298	20.929	ug/l	97
85) sec-Butylbenzene	11.890	105	82931	20.630	ug/l	98
86) p-Isopropyltoluene	12.012	119	70059	20.952	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	35406	20.322	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	35138	19.578	ug/l	95
89) n-Butylbenzene	12.335	91	61892	20.585	ug/l	95
90) Hexachloroethane	12.543	117	10127	18.859	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	34741	20.187	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6359	20.038	ug/l	74
93) 1,2,4-Trichlorobenzene	13.591	180	20893	19.852	ug/l	97
94) Hexachlorobutadiene	13.725	225	9616	21.155	ug/l	90
95) Naphthalene	13.780	128	75028	20.418	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	20058	19.454	ug/l	95

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

