

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027800.D
 Acq On : 30 Mar 2022 11:05
 Operator : JC/MD
 Sample : VX0330WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 31 05:46:02 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	79439	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	123174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57266	55.870	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.740%			
35) Dibromofluoromethane	5.385	113	40556	51.010	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.020%			
50) Toluene-d8	8.653	98	139092	49.722	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.440%			
62) 4-Bromofluorobenzene	11.079	95	57687	48.526	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.060%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	14888	20.683	ug/l	100
3) Chloromethane	1.294	50	11918	18.736	ug/l	100
4) Vinyl Chloride	1.374	62	12998	19.924	ug/l	96
5) Bromomethane	1.599	94	8412	28.597	ug/l	99
6) Chloroethane	1.685	64	7952	18.083	ug/l	93
7) Trichlorofluoromethane	1.886	101	21891	19.129	ug/l	96
8) Diethyl Ether	2.136	74	7567	18.421	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	15012	20.182	ug/l	97
10) Methyl Iodide	2.453	142	15191	17.586	ug/l	90
11) Tert butyl alcohol	2.959	59	17751	90.159	ug/l	99
12) 1,1-Dichloroethene	2.319	96	12367	18.120	ug/l	98
13) Acrolein	2.233	56	13422	91.021	ug/l	96
14) Allyl chloride	2.666	41	22644	18.072	ug/l #	91
15) Acrylonitrile	3.062	53	45039	97.423	ug/l	99
16) Acetone	2.380	43	43765	96.479	ug/l	93
17) Carbon Disulfide	2.514	76	23176	16.600	ug/l	100
18) Methyl Acetate	2.703	43	19542	17.476	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	50495	19.419	ug/l	98
20) Methylene Chloride	2.788	84	15351	18.814	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	13201	17.821	ug/l	94
22) Diisopropyl ether	3.757	45	50373	20.060	ug/l #	75
23) Vinyl Acetate	3.721	43	211554	97.510	ug/l	94
24) 1,1-Dichloroethane	3.605	63	27057	19.152	ug/l	99
25) 2-Butanone	4.556	43	65217	98.806	ug/l	92
26) 2,2-Dichloropropane	4.477	77	21321	18.896	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	17110	19.155	ug/l	98
28) Bromochloromethane	4.891	49	10602	17.447	ug/l	98
29) Tetrahydrofuran	5.001	42	36792	86.776	ug/l	90
30) Chloroform	5.093	83	27955	17.801	ug/l	95
31) Cyclohexane	5.471	56	20952	18.492	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	24638	18.136	ug/l	99
36) 1,1-Dichloropropene	5.696	75	20467	20.439	ug/l	95
37) Ethyl Acetate	4.715	43	24055	19.377	ug/l	96
38) Carbon Tetrachloride	5.684	117	23148	20.923	ug/l	99
39) Methylcyclohexane	7.379	83	22069	18.728	ug/l #	87
40) Benzene	6.044	78	58568	19.300	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	12040	18.234	ug/l	91
42) 1,2-Dichloroethane	6.092	62	27253	22.475	ug/l	91
43) Isopropyl Acetate	6.342	43	39711	19.972	ug/l #	90
44) Trichloroethene	7.129	130	15637	18.961	ug/l	88
45) 1,2-Dichloropropane	7.434	63	15924	19.533	ug/l	98
46) Dibromomethane	7.580	93	12378	20.174	ug/l #	87
47) Bromodichloromethane	7.824	83	23609	19.320	ug/l	98
48) Methyl methacrylate	7.690	41	20048	19.226	ug/l #	78
49) 1,4-Dioxane	7.659	88	7077	343.800	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	134173	97.273	ug/l	87
52) Toluene	8.720	92	36600	19.147	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	22820	18.633	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	24382	18.906	ug/l #	79
55) 1,1,2-Trichloroethane	9.153	97	16354	19.290	ug/l	97
56) Ethyl methacrylate	9.116	69	25941	19.319	ug/l #	74
57) 1,3-Dichloropropane	9.311	76	27264	19.109	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	59964	89.448	ug/l	94
59) 2-Hexanone	9.433	43	102668	96.668	ug/l	82
60) Dibromochloromethane	9.525	129	16583	18.864	ug/l	97
61) 1,2-Dibromoethane	9.610	107	16869	19.042	ug/l	96
64) Tetrachloroethene	9.275	164	14813	20.002	ug/l	95
65) Chlorobenzene	10.079	112	40577	18.865	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	15360	19.031	ug/l	98
67) Ethyl Benzene	10.195	91	76109	19.500	ug/l	96
68) m/p-Xylenes	10.305	106	54181	37.743	ug/l	87
69) o-Xylene	10.640	106	26921	19.200	ug/l	86
70) Styrene	10.659	104	45105	18.926	ug/l #	92
71) Bromoform	10.805	173	10550	17.897	ug/l #	98
73) Isopropylbenzene	10.963	105	75126	19.807	ug/l	97
74) N-amyl acetate	10.841	43	33111	19.381	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	24543	19.056	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	23944m	20.037	ug/l	
77) Bromobenzene	11.201	156	16574	19.167	ug/l	85
78) n-propylbenzene	11.305	91	88293	19.485	ug/l	97
79) 2-Chlorotoluene	11.366	91	54331	19.079	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	64358	19.555	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	6592	18.922	ug/l #	68
82) 4-Chlorotoluene	11.457	91	62711	19.190	ug/l	96
83) tert-Butylbenzene	11.713	119	61078	19.192	ug/l	86
84) 1,2,4-Trimethylbenzene	11.756	105	63196	19.258	ug/l	95
85) sec-Butylbenzene	11.890	105	76614	19.507	ug/l	98
86) p-Isopropyltoluene	12.012	119	63973	19.583	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	31683	18.613	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	32693	18.644	ug/l	94
89) n-Butylbenzene	12.335	91	58269	19.837	ug/l	95
90) Hexachloroethane	12.542	117	9813	18.705	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	31273	18.600	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5934	19.139	ug/l	72
93) 1,2,4-Trichlorobenzene	13.591	180	21859	21.259	ug/l	99
94) Hexachlorobutadiene	13.725	225	10133	22.753	ug/l	94
95) Naphthalene	13.780	128	72525	20.201	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	20889	20.737	ug/l	93

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

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