

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032922\
 Data File : VX027777.D
 Acq On : 29 Mar 2022 16:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 18:01:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 29 17:59:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	80680	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	129554	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	4984	3.827	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	7.660%	#	
35) Dibromofluoromethane	5.391	113	4257	4.904	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.800%	#	
50) Toluene-d8	8.653	98	14709	4.462	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	8.920%	#	
62) 4-Bromofluorobenzene	11.085	95	5824	4.305	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.600%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3184	3.518	ug/l	99
3) Chloromethane	1.294	50	3053	3.298	ug/l	99
4) Vinyl Chloride	1.374	62	3099	3.471	ug/l	96
5) Bromomethane	1.599	94	1567	4.288	ug/l	96
6) Chloroethane	1.678	64	2264	3.910	ug/l	93
7) Trichlorofluoromethane	1.886	101	5666	4.174	ug/l	98
8) Diethyl Ether	2.136	74	2020	4.133	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	3680	4.056	ug/l	95
10) Methyl Iodide	2.453	142	3658	4.081	ug/l	96
11) Tert butyl alcohol	2.965	59	4954	20.795	ug/l	99
12) 1,1-Dichloroethene	2.319	96	3512	4.211	ug/l	94
13) Acrolein	2.239	56	3892	22.608	ug/l	97
14) Allyl chloride	2.660	41	6290	4.035	ug/l #	84
15) Acrylonitrile	3.062	53	11963	20.470	ug/l	98
16) Acetone	2.380	43	9577	17.231	ug/l	100
17) Carbon Disulfide	2.508	76	6734	3.110	ug/l	99
18) Methyl Acetate	2.703	43	5965	4.327	ug/l #	83
19) Methyl tert-butyl Ether	3.117	73	13706	4.452	ug/l	97
20) Methylene Chloride	2.794	84	4101	4.213	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	3607	3.877	ug/l	84
22) Diisopropyl ether	3.770	45	13674	4.397	ug/l #	90
23) Vinyl Acetate	3.727	43	56767	20.987	ug/l #	90
24) 1,1-Dichloroethane	3.605	63	7445	4.243	ug/l	98
25) 2-Butanone	4.562	43	17724	20.511	ug/l	92
26) 2,2-Dichloropropane	4.477	77	5503	4.022	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	4342	4.157	ug/l	88
28) Bromochloromethane	4.904	49	2969	4.193	ug/l #	92
29) Tetrahydrofuran	5.013	42	10786	20.773	ug/l	86
30) Chloroform	5.105	83	7788	4.310	ug/l	99
31) Cyclohexane	5.464	56	5980	3.899	ug/l #	80
32) 1,1,1-Trichloroethane	5.385	97	6667	4.149	ug/l	95
36) 1,1-Dichloropropene	5.696	75	5101	3.863	ug/l	99
37) Ethyl Acetate	4.715	43	7270	4.803	ug/l #	91
38) Carbon Tetrachloride	5.678	117	5415	4.116	ug/l	95
39) Methylcyclohexane	7.385	83	6143	4.083	ug/l	95
40) Benzene	6.044	78	15563	4.247	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	3517	4.423	ug/l	87
42) 1,2-Dichloroethane	6.092	62	5822	3.754	ug/l	99
43) Isopropyl Acetate	6.342	43	9209	3.921	ug/l	94
44) Trichloroethene	7.129	130	4399	4.574	ug/l	100
45) 1,2-Dichloropropane	7.434	63	3894	4.024	ug/l	91
46) Dibromomethane	7.586	93	2935	4.223	ug/l	95
47) Bromodichloromethane	7.824	83	5813	4.265	ug/l	99
48) Methyl methacrylate	7.696	41	4750	4.102	ug/l	86
49) 1,4-Dioxane	7.665	88	2204	88.326	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	35244	21.879	ug/l	87
52) Toluene	8.720	92	9879	4.295	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	5407	4.004	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	5930	3.969	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	4281	4.529	ug/l	97
56) Ethyl methacrylate	9.116	69	6474	4.223	ug/l #	70
57) 1,3-Dichloropropane	9.311	76	7609	4.502	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	16106	20.594	ug/l	92
59) 2-Hexanone	9.433	43	26663	21.141	ug/l	80
60) Dibromochloromethane	9.525	129	4112	4.451	ug/l	90
61) 1,2-Dibromoethane	9.616	107	4304	4.263	ug/l	98
64) Tetrachloroethene	9.275	164	3989	4.711	ug/l #	76
65) Chlorobenzene	10.079	112	10836	4.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	3888	4.694	ug/l	99
67) Ethyl Benzene	10.195	91	19411	4.419	ug/l	97
68) m/p-Xylenes	10.305	106	14599	9.157	ug/l	88
69) o-Xylene	10.640	106	6997	4.357	ug/l	80
70) Styrene	10.659	104	11554	4.516	ug/l #	92
71) Bromoform	10.799	173	2606	4.334	ug/l #	92
73) Isopropylbenzene	10.963	105	19502	4.721	ug/l	97
74) N-amyl acetate	10.848	43	8158	4.125	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	11.213	83	6498	4.450	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	6347m	4.544	ug/l	
77) Bromobenzene	11.201	156	4312	4.640	ug/l	80
78) n-propylbenzene	11.305	91	22681	4.632	ug/l	95
79) 2-Chlorotoluene	11.366	91	14882	4.805	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	16634	4.672	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	1337	3.254	ug/l #	56
82) 4-Chlorotoluene	11.457	91	16350	4.583	ug/l	96
83) tert-Butylbenzene	11.713	119	15773	4.793	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	16654	4.613	ug/l	96
85) sec-Butylbenzene	11.890	105	19547	4.556	ug/l	98
86) p-Isopropyltoluene	12.012	119	15829	4.665	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	8431	4.868	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	8477	4.720	ug/l	90
89) n-Butylbenzene	12.335	91	13376	4.175	ug/l	97
90) Hexachloroethane	12.542	117	2246	4.145	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	8245	4.912	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1333	3.706	ug/l	72
93) 1,2,4-Trichlorobenzene	13.591	180	4869	4.973	ug/l	96
94) Hexachlorobutadiene	13.725	225	2054	4.322	ug/l	97
95) Naphthalene	13.780	128	16028	4.437	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	4572	4.632	ug/l	96

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

