

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027873.D
 Acq On : 01 Apr 2022 02:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Apr 01 05:09:22 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	67253	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	116105	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51805	59.700	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 119.400%			
35) Dibromofluoromethane	5.391	113	37035	49.418	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.840%			
50) Toluene-d8	8.653	98	130262	49.401	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.800%			
62) 4-Bromofluorobenzene	11.085	95	56833	50.719	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	30861	50.641	ug/l	97
3) Chloromethane	1.294	50	26251	48.747	ug/l	100
4) Vinyl Chloride	1.374	62	27120	49.105	ug/l	100
5) Bromomethane	1.593	94	10513	42.215	ug/l	91
6) Chloroethane	1.679	64	16712	44.889	ug/l	100
7) Trichlorofluoromethane	1.880	101	46396	47.888	ug/l	95
8) Diethyl Ether	2.136	74	17370	49.948	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	30775	48.870	ug/l	97
10) Methyl Iodide	2.453	142	34674	47.413	ug/l #	86
11) Tert butyl alcohol	2.971	59	53379	320.242	ug/l	99
12) 1,1-Dichloroethene	2.319	96	27513	47.617	ug/l	97
13) Acrolein	2.239	56	38619	309.348	ug/l	96
14) Allyl chloride	2.660	41	54025	50.928	ug/l #	87
15) Acrylonitrile	3.069	53	113770	290.686	ug/l	97
16) Acetone	2.386	43	110328	287.287	ug/l	89
17) Carbon Disulfide	2.508	76	44998	38.071	ug/l	99
18) Methyl Acetate	2.709	43	52376	55.325	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	119199	54.147	ug/l	99
20) Methylene Chloride	2.788	84	33484	48.474	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	28433	45.338	ug/l	91
22) Diisopropyl ether	3.764	45	117840	55.429	ug/l #	81
23) Vinyl Acetate	3.727	43	533113	290.247	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	63203	52.845	ug/l	97
25) 2-Butanone	4.562	43	174849	312.901	ug/l	90
26) 2,2-Dichloropropane	4.477	77	38806	40.624	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	36854	48.734	ug/l	92
28) Bromochloromethane	4.904	49	25348	49.272	ug/l	87
29) Tetrahydrofuran	5.013	42	108754	302.980	ug/l #	85
30) Chloroform	5.099	83	71754	53.969	ug/l	97
31) Cyclohexane	5.471	56	46600	48.581	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	60726	52.801	ug/l	97
36) 1,1-Dichloropropene	5.696	75	44347	46.982	ug/l	97
37) Ethyl Acetate	4.721	43	62517	53.426	ug/l	95
38) Carbon Tetrachloride	5.678	117	51782	49.655	ug/l	99
39) Methylcyclohexane	7.385	83	45775	41.211	ug/l	90
40) Benzene	6.044	78	133160	46.551	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	35217	56.581	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	60734	53.135	ug/l	92
43) Isopropyl Acetate	6.342	43	99186	52.920	ug/l #	90
44) Trichloroethene	7.129	130	35279	45.383	ug/l	90
45) 1,2-Dichloropropane	7.434	63	36654	47.698	ug/l	96
46) Dibromomethane	7.586	93	27891	48.225	ug/l	89
47) Bromodichloromethane	7.824	83	54673	47.465	ug/l	99
48) Methyl methacrylate	7.696	41	49799	50.664	ug/l #	80
49) 1,4-Dioxane	7.665	88	21759	1121.408	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	348763	268.242	ug/l	88
52) Toluene	8.720	92	85482	47.443	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	53171	46.059	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	56505	46.483	ug/l #	82
55) 1,1,2-Trichloroethane	9.153	97	39003	48.805	ug/l	96
56) Ethyl methacrylate	9.116	69	65611	51.838	ug/l #	75
57) 1,3-Dichloropropane	9.311	76	65212	48.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	155890	246.699	ug/l	95
59) 2-Hexanone	9.433	43	274133	273.827	ug/l	84
60) Dibromochloromethane	9.525	129	40459	48.827	ug/l	98
61) 1,2-Dibromoethane	9.610	107	40038	47.947	ug/l	98
64) Tetrachloroethene	9.275	164	32521	44.473	ug/l	93
65) Chlorobenzene	10.079	112	96852	45.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	38179	47.905	ug/l	97
67) Ethyl Benzene	10.195	91	178127	46.219	ug/l	97
68) m/p-Xylenes	10.305	106	129092	91.072	ug/l	87
69) o-Xylene	10.646	106	65991	47.664	ug/l	87
70) Styrene	10.659	104	113582	48.267	ug/l #	92
71) Bromoform	10.805	173	28681	45.146	ug/l #	100
73) Isopropylbenzene	10.963	105	180343	46.957	ug/l	98
74) N-amyl acetate	10.848	43	86095	49.768	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	63394	48.609	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	59600m	49.255	ug/l	
77) Bromobenzene	11.201	156	41295	47.162	ug/l	86
78) n-propylbenzene	11.305	91	209945	45.756	ug/l	98
79) 2-Chlorotoluene	11.366	91	131396	45.568	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	153980	46.205	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	16066	40.623	ug/l #	72
82) 4-Chlorotoluene	11.457	91	152941	46.220	ug/l	96
83) tert-Butylbenzene	11.719	119	151571	47.035	ug/l	88
84) 1,2,4-Trimethylbenzene	11.756	105	154769	46.577	ug/l	96
85) sec-Butylbenzene	11.890	105	187874	47.242	ug/l	98
86) p-Isopropyltoluene	12.012	119	155065	46.877	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	76958	44.650	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	76601	43.141	ug/l	96
89) n-Butylbenzene	12.335	91	136549	45.908	ug/l	96
90) Hexachloroethane	12.542	117	24922	46.914	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	75581	44.393	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15548	49.524	ug/l	76
93) 1,2,4-Trichlorobenzene	13.591	180	45309	43.517	ug/l	96
94) Hexachlorobutadiene	13.725	225	20193	43.992	ug/l	91
95) Naphthalene	13.780	128	170229	46.826	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	49456	48.486	ug/l	96

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

