

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012122\
 Data File : VX026547.D
 Acq On : 21 Jan 2022 16:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2022
 Supervised By : Mahesh Dadoda 01/24/2022

Quant Time: Jan 22 03:58:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	116747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68898	42.246	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.500%		
35) Dibromofluoromethane	5.385	113	54110	44.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.780%		
50) Toluene-d8	8.647	98	204448	46.548	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.100%		
62) 4-Bromofluorobenzene	11.079	95	71646	45.919	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	58949	42.760	ug/l	97
3) Chloromethane	1.294	50	58807	46.533	ug/l	98
4) Vinyl Chloride	1.380	62	60493	45.591	ug/l	98
5) Bromomethane	1.617	94	30286	49.480	ug/l	100
6) Chloroethane	1.691	64	28147	41.950	ug/l	99
7) Trichlorofluoromethane	1.892	101	90953	43.417	ug/l	99
8) Diethyl Ether	2.136	74	33435	45.104	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	58923	46.155	ug/l	100
10) Methyl Iodide	2.459	142	76517	55.172	ug/l	99
11) Tert butyl alcohol	3.026	59	51339m	226.291	ug/l	
12) 1,1-Dichloroethene	2.325	96	54553	44.742	ug/l	95
13) Acrolein	2.239	56	44591	184.967	ug/l	99
14) Allyl chloride	2.666	41	102119	45.544	ug/l	98
15) Acrylonitrile	3.062	53	165426	236.872	ug/l	99
16) Acetone	2.386	43	164106	197.319	ug/l	97
17) Carbon Disulfide	2.514	76	148565	41.735	ug/l	99
18) Methyl Acetate	2.703	43	77153	46.663	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	196492	44.414	ug/l	99
20) Methylene Chloride	2.794	84	62921	45.790	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	59733	45.254	ug/l	98
22) Diisopropyl ether	3.757	45	210310	46.175	ug/l	98
23) Vinyl Acetate	3.721	43	880441	234.838	ug/l	99
24) 1,1-Dichloroethane	3.611	63	111397	45.288	ug/l	99
25) 2-Butanone	4.556	43	233753	216.123	ug/l	99
26) 2,2-Dichloropropane	4.477	77	82441	45.216	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	70090	46.527	ug/l	99
28) Bromochloromethane	4.897	49	50063	49.566	ug/l	99
29) Tetrahydrofuran	5.001	42	147667	229.880	ug/l	100
30) Chloroform	5.092	83	117640	46.029	ug/l	100
31) Cyclohexane	5.470	56	106333	44.205	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	103006	45.820	ug/l	99
36) 1,1-Dichloropropene	5.690	75	88221	45.850	ug/l	99
37) Ethyl Acetate	4.708	43	92332	47.437	ug/l	100
38) Carbon Tetrachloride	5.678	117	92534	46.753	ug/l	97
39) Methylcyclohexane	7.379	83	110733	47.711	ug/l	98
40) Benzene	6.037	78	250543	47.110	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	52346	47.476	ug/l	98
42) 1,2-Dichloroethane	6.086	62	93779	45.069	ug/l	99
43) Isopropyl Acetate	6.336	43	148203	47.137	ug/l	99
44) Trichloroethene	7.122	130	71888	47.636	ug/l	99
45) 1,2-Dichloropropane	7.427	63	64392	48.505	ug/l	98
46) Dibromomethane	7.580	93	45173	48.271	ug/l	99
47) Bromodichloromethane	7.817	83	91663	48.478	ug/l	100
48) Methyl methacrylate	7.689	41	73180	46.966	ug/l	98
49) 1,4-Dioxane	7.689	88	22789	891.224	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	440960	236.455	ug/l	100
52) Toluene	8.720	92	160968	49.356	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	92704	46.020	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	102955	50.695	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	62850	49.383	ug/l	99
56) Ethyl methacrylate	9.116	69	96395	49.422	ug/l	99
57) 1,3-Dichloropropane	9.305	76	108653	49.242	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	154729	151.290	ug/l	100
59) 2-Hexanone	9.433	43	325642	228.147	ug/l	98
60) Dibromochloromethane	9.518	129	68005	51.276	ug/l	100
61) 1,2-Dibromoethane	9.610	107	65178	49.147	ug/l	100
64) Tetrachloroethene	9.275	164	76448	49.741	ug/l	97
65) Chlorobenzene	10.079	112	166001	48.451	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	61795	48.541	ug/l	99
67) Ethyl Benzene	10.195	91	306400	49.212	ug/l	99
68) m/p-Xylenes	10.299	106	229423	98.465	ug/l	99
69) o-Xylene	10.640	106	109897	48.881	ug/l	98
70) Styrene	10.652	104	184033	50.164	ug/l	99
71) Bromoform	10.799	173	44174	45.544	ug/l #	100
73) Isopropylbenzene	10.963	105	296968	48.127	ug/l	99
74) N-amyl acetate	10.841	43	111889	46.969	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	75706	45.709	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	78489m	47.354	ug/l	
77) Bromobenzene	11.201	156	65938	46.645	ug/l	99
78) n-propylbenzene	11.305	91	341243	48.496	ug/l	100
79) 2-Chlorotoluene	11.366	91	198187	46.446	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	242513	47.672	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23198	44.731	ug/l	95
82) 4-Chlorotoluene	11.457	91	228747	46.644	ug/l	98
83) tert-Butylbenzene	11.713	119	223678	47.101	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	239445	47.059	ug/l	99
85) sec-Butylbenzene	11.890	105	301432	49.072	ug/l	99
86) p-Isopropyltoluene	12.012	119	254873	49.456	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	125211	47.255	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	125392	46.754	ug/l	98
89) n-Butylbenzene	12.335	91	223885	50.624	ug/l	99
90) Hexachloroethane	12.542	117	39398	45.993	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	118992	47.521	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18156	45.356	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	77624	48.353	ug/l	98
94) Hexachlorobutadiene	13.725	225	33537	49.487	ug/l	99
95) Naphthalene	13.774	128	257384	48.066	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	77445	49.053	ug/l	100

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

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