

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027517.D
 Acq On : 18 Mar 2022 10:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 03:04:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	333995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	514422	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	460770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	236687	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	180814	43.946	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.900%
35) Dibromofluoromethane	5.385	113	151921	45.902	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.800%
50) Toluene-d8	8.653	98	558769	44.615	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	89.220%
62) 4-Bromofluorobenzene	11.079	95	205055	44.545	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.080%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	171368	53.454	ug/l	100
3) Chloromethane	1.294	50	137865	48.443	ug/l	99
4) Vinyl Chloride	1.373	62	163884	49.839	ug/l	99
5) Bromomethane	1.599	94	74984	43.911	ug/l	99
6) Chloroethane	1.678	64	95802	47.478	ug/l	97
7) Trichlorofluoromethane	1.886	101	266565	49.108	ug/l	98
8) Diethyl Ether	2.135	74	92056	45.529	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.324	101	170205	52.656	ug/l	97
10) Methyl Iodide	2.452	142	180275	42.132	ug/l	98
11) Tert butyl alcohol	2.965	59	179471	228.876	ug/l	100
12) 1,1-Dichloroethene	2.318	96	158713	51.175	ug/l	96
13) Acrolein	2.233	56	132475	217.709	ug/l	96
14) Allyl chloride	2.660	41	244814	50.444	ug/l	95
15) Acrylonitrile	3.062	53	452327	253.730	ug/l	99
16) Acetone	2.379	43	463291	276.246	ug/l	94
17) Carbon Disulfide	2.507	76	407615	51.652	ug/l	99
18) Methyl Acetate	2.702	43	198294	49.334	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	513686	49.092	ug/l	99
20) Methylene Chloride	2.788	84	170465	47.275	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	166337	50.280	ug/l	97
22) Diisopropyl ether	3.763	45	486882	51.372	ug/l	93
23) Vinyl Acetate	3.721	43	2138869	259.505	ug/l	96
24) 1,1-Dichloroethane	3.611	63	294115	51.023	ug/l	99
25) 2-Butanone	4.556	43	659913	261.536	ug/l	96
26) 2,2-Dichloropropane	4.477	77	238861	50.745	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	194789	50.772	ug/l	97
28) Bromochloromethane	4.903	49	104627	44.996	ug/l	97
29) Tetrahydrofuran	5.007	42	411295	254.096	ug/l	92
30) Chloroform	5.092	83	317942	50.002	ug/l	99
31) Cyclohexane	5.470	56	266614	52.183	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	285723	49.354	ug/l	99
36) 1,1-Dichloropropene	5.690	75	236540	52.298	ug/l	99
37) Ethyl Acetate	4.714	43	234135	51.951	ug/l	99
38) Carbon Tetrachloride	5.678	117	263275	50.880	ug/l	97
39) Methylcyclohexane	7.378	83	299223	52.610	ug/l	95
40) Benzene	6.037	78	672520	51.828	ug/l	99

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41) Methacrylonitrile	4.922	41	128658	52.345	ug/l	95
42) 1,2-Dichloroethane	6.086	62	252429	51.907	ug/l	97
43) Isopropyl Acetate	6.342	43	362673	50.001	ug/l	96
44) Trichloroethene	7.122	130	196530	49.893	ug/l	96
45) 1,2-Dichloropropane	7.433	63	171439	51.871	ug/l	97
46) Dibromomethane	7.580	93	126712	50.188	ug/l	99
47) Bromodichloromethane	7.823	83	245539	51.650	ug/l	98
48) Methyl methacrylate	7.695	41	186246	51.884	ug/l	90
49) 1,4-Dioxane	7.659	88	88700	962.068	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	1198510	258.848	ug/l	95
52) Toluene	8.720	92	439572	50.552	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	254334	52.126	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	277280	52.216	ug/l #	92
55) 1,1,2-Trichloroethane	9.152	97	180431	50.963	ug/l	98
56) Ethyl methacrylate	9.116	69	268085	50.609	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	293744	51.106	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	670206	249.927	ug/l	99
59) 2-Hexanone	9.433	43	931816	261.298	ug/l	91
60) Dibromochloromethane	9.524	129	200203	51.369	ug/l	97
61) 1,2-Dibromoethane	9.610	107	192921	49.578	ug/l	99
64) Tetrachloroethene	9.274	164	185222	51.701	ug/l	95
65) Chlorobenzene	10.079	112	483090	50.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	180730	51.106	ug/l	99
67) Ethyl Benzene	10.195	91	847469	52.236	ug/l	98
68) m/p-Xylenes	10.305	106	673535	105.437	ug/l	99
69) o-Xylene	10.646	106	324045	52.245	ug/l	100
70) Styrene	10.658	104	538650	53.162	ug/l	99
71) Bromoform	10.799	173	146558	51.875	ug/l	99
73) Isopropylbenzene	10.963	105	855519	49.625	ug/l	100
74) N-amyl acetate	10.841	43	301367	49.300	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	267563	48.996	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	247846m	50.063	ug/l	
77) Bromobenzene	11.201	156	212147	48.821	ug/l	95
78) n-propylbenzene	11.305	91	974332	51.484	ug/l	98
79) 2-Chlorotoluene	11.366	91	582527	49.069	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	734996	50.655	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	81837	50.203	ug/l	91
82) 4-Chlorotoluene	11.457	91	675071	49.944	ug/l	98
83) tert-Butylbenzene	11.719	119	716903	49.875	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	734527	50.761	ug/l	99
85) sec-Butylbenzene	11.890	105	902777	51.973	ug/l	100
86) p-Isopropyltoluene	12.012	119	772440	51.773	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	401117	49.821	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	402193	49.369	ug/l	98
89) n-Butylbenzene	12.335	91	654200	52.542	ug/l	97
90) Hexachloroethane	12.542	117	121514	51.071	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	391078	49.747	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	63672	50.837	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	256670	50.939	ug/l	99
94) Hexachlorobutadiene	13.725	225	114800	51.577	ug/l	94
95) Naphthalene	13.780	128	845217	51.528	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	256809	50.384	ug/l	96

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

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