

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020923\
 Data File : VX034071.D
 Acq On : 07 Feb 2023 19:11
 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 02/08/2023
 Supervised By : Mahesh Dadoda 02/08/2023

Quant Time: Feb 08 00:07:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	182047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61475	48.349	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.700%		
35) Dibromofluoromethane	5.385	113	55208	47.650	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	8.647	98	195974	46.947	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.900%		
62) 4-Bromofluorobenzene	11.079	95	74581	50.024	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56637	52.826	ug/l	99
3) Chloromethane	1.294	50	50814	50.223	ug/l	98
4) Vinyl Chloride	1.374	62	50460	47.623	ug/l	99
5) Bromomethane	1.599	94	27982	51.284	ug/l	99
6) Chloroethane	1.685	64	30001	51.203	ug/l	100
7) Trichlorofluoromethane	1.886	101	84482	50.112	ug/l	98
8) Diethyl Ether	2.130	74	27802	47.946	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	54420	48.349	ug/l	92
10) Methyl Iodide	2.453	142	76198	47.785	ug/l	94
11) Tert butyl alcohol	2.947	59	47479	266.531	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	52032	48.183	ug/l	90
13) Acrolein	2.233	56	54133	226.566	ug/l	99
14) Allyl chloride	2.666	41	85198	48.389	ug/l	91
15) Acrylonitrile	3.056	53	139603	244.308	ug/l	99
16) Acetone	2.374	43	122211	227.572	ug/l	97
17) Carbon Disulfide	2.514	76	128680	46.967	ug/l	98
18) Methyl Acetate	2.697	43	82618	49.457	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	168708	50.663	ug/l	99
20) Methylene Chloride	2.788	84	58448	47.573	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	57359	48.768	ug/l	97
22) Diisopropyl ether	3.757	45	168862	48.600	ug/l	92
23) Vinyl Acetate	3.721	43	656419	248.095	ug/l	96
24) 1,1-Dichloroethane	3.611	63	98972	49.418	ug/l	99
25) 2-Butanone	4.550	43	184890	236.442	ug/l	96
26) 2,2-Dichloropropane	4.477	77	72942	49.929	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	66858	49.418	ug/l	96
28) Bromochloromethane	4.897	49	42463	48.225	ug/l	86
29) Tetrahydrofuran	5.001	42	119378	240.033	ug/l	93
30) Chloroform	5.093	83	105406	50.500	ug/l	98
31) Cyclohexane	5.471	56	87873	47.457	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	92166	51.273	ug/l	99
36) 1,1-Dichloropropene	5.690	75	78088	49.158	ug/l	99
37) Ethyl Acetate	4.708	43	73566	49.713	ug/l	99
38) Carbon Tetrachloride	5.678	117	85850	50.672	ug/l	98
39) Methylcyclohexane	7.379	83	95130	47.575	ug/l	95
40) Benzene	6.038	78	225928	49.155	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42865	51.472	ug/l	97
42) 1,2-Dichloroethane	6.086	62	81247	52.021	ug/l	100
43) Isopropyl Acetate	6.336	43	115916	50.228	ug/l	97
44) Trichloroethene	7.123	130	69462	49.173	ug/l	96
45) 1,2-Dichloropropane	7.428	63	56403	49.703	ug/l	99
46) Dibromomethane	7.580	93	42208	51.916	ug/l	95
47) Bromodichloromethane	7.818	83	80548	52.285	ug/l	96
48) Methyl methacrylate	7.690	41	61429	51.554	ug/l	95
49) 1,4-Dioxane	7.659	88	25023	1091.003	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	371103	256.362	ug/l	97
52) Toluene	8.720	92	149211	50.093	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	82489	53.264	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90817	51.543	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	61325	51.544	ug/l	96
56) Ethyl methacrylate	9.116	69	89043	53.585	ug/l	95
57) 1,3-Dichloropropane	9.305	76	98673	50.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	200174	258.906	ug/l	97
59) 2-Hexanone	9.427	43	274252	258.887	ug/l	97
60) Dibromochloromethane	9.519	129	70086	53.151	ug/l	99
61) 1,2-Dibromoethane	9.610	107	66237	51.774	ug/l	98
64) Tetrachloroethene	9.275	164	64795	47.681	ug/l	98
65) Chlorobenzene	10.079	112	169546	50.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	66909	52.678	ug/l	97
67) Ethyl Benzene	10.195	91	291444	51.229	ug/l	99
68) m/p-Xylenes	10.299	106	231297	101.712	ug/l	98
69) o-Xylene	10.640	106	113768	52.091	ug/l	99
70) Styrene	10.653	104	191018	53.104	ug/l	99
71) Bromoform	10.799	173	57883	55.869	ug/l #	99
73) Isopropylbenzene	10.963	105	299152	49.193	ug/l	99
74) N-amyl acetate	10.842	43	102086	50.957	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	88664	48.457	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72362m	46.314	ug/l	
77) Bromobenzene	11.195	156	83361	49.435	ug/l	97
78) n-propylbenzene	11.305	91	334623	49.767	ug/l	99
79) 2-Chlorotoluene	11.366	91	199702	49.052	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	252940	49.970	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25095	49.465	ug/l	99
82) 4-Chlorotoluene	11.451	91	229234	49.783	ug/l	99
83) tert-Butylbenzene	11.713	119	262931	50.278	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	255602	50.544	ug/l	99
85) sec-Butylbenzene	11.890	105	313572	50.116	ug/l	99
86) p-Isopropyltoluene	12.006	119	275365	50.178	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	152248	49.204	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	150770	47.994	ug/l	99
89) n-Butylbenzene	12.329	91	219147	50.935	ug/l	99
90) Hexachloroethane	12.536	117	44209	51.173	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	147556	48.897	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18489	51.387	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	107266	50.308	ug/l	99
94) Hexachlorobutadiene	13.725	225	49712	47.103	ug/l	100
95) Naphthalene	13.774	128	298119	50.889	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	104047	48.580	ug/l	98

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

