

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120122\
 Data File : VX033147.D
 Acq On : 01 Dec 2022 08:48
 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 12/02/2022
 Supervised By : Mahesh Dadoda 12/02/2022

Quant Time: Dec 02 00:42:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	140685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	219406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63864	46.220	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.440%		
35) Dibromofluoromethane	5.379	113	56272	45.493	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.980%		
50) Toluene-d8	8.647	98	168152	44.964	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.920%#		
62) 4-Bromofluorobenzene	11.079	95	77427	47.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45885	42.691	ug/l	98
3) Chloromethane	1.294	50	47684	41.095	ug/l	100
4) Vinyl Chloride	1.374	62	57142	44.229	ug/l	98
5) Bromomethane	1.618	94	44276	46.215	ug/l	99
6) Chloroethane	1.691	64	50106	47.639	ug/l	100
7) Trichlorofluoromethane	1.886	101	126592	50.486	ug/l	99
8) Diethyl Ether	2.130	74	40636	51.475	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	66321	50.321	ug/l	99
10) Methyl Iodide	2.453	142	56043	37.145	ug/l	100
11) Tert butyl alcohol	3.008	59	54013m	248.700	ug/l	
12) 1,1-Dichloroethene	2.319	96	58960	48.024	ug/l	91
13) Acrolein	2.239	56	64684	259.290	ug/l	100
14) Allyl chloride	2.666	41	96491	48.682	ug/l	99
15) Acrylonitrile	3.062	53	146495	238.478	ug/l	99
16) Acetone	2.392	43	179653	280.776	ug/l	100
17) Carbon Disulfide	2.514	76	141015	41.574	ug/l	100
18) Methyl Acetate	2.703	43	85871	48.482	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	217251	51.024	ug/l	99
20) Methylene Chloride	2.788	84	66914	50.267	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	65487	46.631	ug/l	97
22) Diisopropyl ether	3.757	45	228219	52.879	ug/l	96
23) Vinyl Acetate	3.721	43	874233	258.774	ug/l	99
24) 1,1-Dichloroethane	3.611	63	122146	49.457	ug/l	99
25) 2-Butanone	4.562	43	233479	264.628	ug/l	98
26) 2,2-Dichloropropane	4.471	77	107791	54.280	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	81037	50.787	ug/l	98
28) Bromochloromethane	4.898	49	53554	49.349	ug/l	99
29) Tetrahydrofuran	5.001	42	135247	241.577	ug/l	100
30) Chloroform	5.093	83	144043	52.074	ug/l	98
31) Cyclohexane	5.471	56	108033	48.665	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	130885	52.836	ug/l	100
36) 1,1-Dichloropropene	5.690	75	101095	51.115	ug/l	99
37) Ethyl Acetate	4.708	43	86169	49.938	ug/l	99
38) Carbon Tetrachloride	5.678	117	114568	52.217	ug/l	98
39) Methylcyclohexane	7.379	83	115554	51.206	ug/l	99
40) Benzene	6.038	78	282961	51.027	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49692	51.180	ug/l	98
42) 1,2-Dichloroethane	6.080	62	116350	52.111	ug/l	100
43) Isopropyl Acetate	6.336	43	146974	51.503	ug/l	99
44) Trichloroethene	7.123	130	79744	51.248	ug/l	96
45) 1,2-Dichloropropane	7.428	63	73343	53.519	ug/l	98
46) Dibromomethane	7.580	93	54334	50.812	ug/l	98
47) Bromodichloromethane	7.818	83	114182	55.261	ug/l	97
48) Methyl methacrylate	7.690	41	76171	51.856	ug/l	99
49) 1,4-Dioxane	7.708	88	28279	1045.854	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	456179	259.060	ug/l	99
52) Toluene	8.714	92	190639	52.255	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	115856	52.119	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	123178	55.299	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	77536	52.201	ug/l	99
56) Ethyl methacrylate	9.116	69	112133	54.792	ug/l	98
57) 1,3-Dichloropropane	9.305	76	125567	52.366	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	251122	258.407	ug/l	99
59) 2-Hexanone	9.427	43	356180	273.815	ug/l	99
60) Dibromochloromethane	9.519	129	88288	55.209	ug/l	99
61) 1,2-Dibromoethane	9.610	107	82938	52.902	ug/l	99
64) Tetrachloroethene	9.275	164	68808	47.776	ug/l	99
65) Chlorobenzene	10.079	112	208942	51.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	81111	54.570	ug/l	99
67) Ethyl Benzene	10.195	91	381115	52.962	ug/l	100
68) m/p-Xylenes	10.299	106	297906	105.721	ug/l	100
69) o-Xylene	10.640	106	145380	53.321	ug/l	99
70) Styrene	10.653	104	243698	54.635	ug/l	100
71) Bromoform	10.799	173	63509	55.728	ug/l #	100
73) Isopropylbenzene	10.963	105	396012	51.192	ug/l	100
74) N-amyl acetate	10.842	43	135934	51.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	114974	49.243	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	106846m	52.115	ug/l	
77) Bromobenzene	11.195	156	92710	48.730	ug/l	97
78) n-propylbenzene	11.305	91	459846	51.991	ug/l	100
79) 2-Chlorotoluene	11.366	91	271249	50.494	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	338149	52.034	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	33415	52.977	ug/l	99
82) 4-Chlorotoluene	11.451	91	319584	50.767	ug/l	99
83) tert-Butylbenzene	11.713	119	332116	51.341	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	334770	51.663	ug/l	100
85) sec-Butylbenzene	11.890	105	407208	52.617	ug/l	100
86) p-Isopropyltoluene	12.006	119	346791	52.889	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	181164	50.768	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	183686	50.262	ug/l	98
89) n-Butylbenzene	12.329	91	301780	53.424	ug/l	100
90) Hexachloroethane	12.536	117	56786	52.714	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	175696	50.614	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24481	52.552	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	112255	52.461	ug/l	98
94) Hexachlorobutadiene	13.725	225	46438	49.192	ug/l	98
95) Naphthalene	13.774	128	356293	51.470	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	110338	51.420	ug/l	100

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

