

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033469.D
 Acq On : 16 Dec 2022 18:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/19/2022
 Supervised By : Mahesh Dadoda 12/19/2022

Quant Time: Dec 17 08:12:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	110879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37475	52.683	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.360%			
35) Dibromofluoromethane	5.391	113	43430	50.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.320%			
50) Toluene-d8	8.647	98	91117	50.307	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.620%			
62) 4-Bromofluorobenzene	11.079	95	74334	53.675	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30807	39.774	ug/l	97
3) Chloromethane	1.294	50	39320	43.906	ug/l	99
4) Vinyl Chloride	1.374	62	42512	41.575	ug/l	99
5) Bromomethane	1.618	94	33801	45.044	ug/l	99
6) Chloroethane	1.691	64	37584	48.457	ug/l	97
7) Trichlorofluoromethane	1.886	101	60686	31.612	ug/l	98
8) Diethyl Ether	2.136	74	28171	40.628	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	46030	45.201	ug/l	99
10) Methyl Iodide	2.453	142	63796	57.200	ug/l	97
11) Tert butyl alcohol	2.983	59	59179	272.118	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	47404	47.158	ug/l	98
13) Acrolein	2.239	56	57085	242.025	ug/l	100
14) Allyl chloride	2.666	41	82457	51.366	ug/l	96
15) Acrylonitrile	3.062	53	150837	279.994	ug/l	98
16) Acetone	2.386	43	131312	249.471	ug/l	99
17) Carbon Disulfide	2.514	76	103240	40.017	ug/l	98
18) Methyl Acetate	2.703	43	87763	57.597	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	206425	59.285	ug/l	99
20) Methylene Chloride	2.794	84	61593	52.469	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	56673	51.540	ug/l	99
22) Diisopropyl ether	3.757	45	202850	58.980	ug/l	92
23) Vinyl Acetate	3.721	43	789547	295.767	ug/l	97
24) 1,1-Dichloroethane	3.611	63	107091	52.994	ug/l	99
25) 2-Butanone	4.562	43	207974	275.261	ug/l	100
26) 2,2-Dichloropropane	4.477	77	79951	53.800	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	73574	55.986	ug/l	95
28) Bromochloromethane	4.897	49	46880	55.419	ug/l	92
29) Tetrahydrofuran	5.007	42	138395	282.714	ug/l	98
30) Chloroform	5.093	83	127440	56.806	ug/l	99
31) Cyclohexane	5.471	56	72896	43.121	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	101675	52.675	ug/l	98
36) 1,1-Dichloropropene	5.696	75	76385	45.251	ug/l	99
37) Ethyl Acetate	4.708	43	82747	51.857	ug/l	100
38) Carbon Tetrachloride	5.684	117	84861	44.869	ug/l	98
39) Methylcyclohexane	7.379	83	72430	38.334	ug/l	98
40) Benzene	6.044	78	250825	50.962	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	46434	52.809	ug/l	96
42) 1,2-Dichloroethane	6.086	62	102335	52.361	ug/l	97
43) Isopropyl Acetate	6.336	43	141195	54.994	ug/l	97
44) Trichloroethene	7.123	130	68096	50.182	ug/l	99
45) 1,2-Dichloropropane	7.434	63	65980	52.419	ug/l	99
46) Dibromomethane	7.580	93	51106	53.299	ug/l	98
47) Bromodichloromethane	7.824	83	100955	54.012	ug/l	99
48) Methyl methacrylate	7.690	41	71636	54.062	ug/l	92
49) 1,4-Dioxane	7.702	88	31267	1034.790	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	448909	276.487	ug/l	96
52) Toluene	8.720	92	170148	53.469	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	104161	51.781	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	112567	56.596	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	76015	56.827	ug/l	98
56) Ethyl methacrylate	9.116	69	110505	58.674	ug/l #	90
57) 1,3-Dichloropropane	9.305	76	119819	55.759	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	247267	286.933	ug/l	97
59) 2-Hexanone	9.433	43	329253	275.181	ug/l	94
60) Dibromochloromethane	9.519	129	82402	55.911	ug/l	100
61) 1,2-Dibromoethane	9.610	107	80999	56.927	ug/l	100
64) Tetrachloroethene	9.275	164	54438	42.913	ug/l	98
65) Chlorobenzene	10.079	112	189997	50.574	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	74086	52.183	ug/l	99
67) Ethyl Benzene	10.195	91	322233	49.234	ug/l	99
68) m/p-Xylenes	10.299	106	254613	99.988	ug/l	97
69) o-Xylene	10.640	106	128474	51.043	ug/l	96
70) Styrene	10.653	104	218496	53.004	ug/l	97
71) Bromoform	10.799	173	58319	51.896	ug/l #	98
73) Isopropylbenzene	10.963	105	311844	47.105	ug/l	99
74) N-amyl acetate	10.841	43	124639	55.182	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	110829	52.770	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100205m	53.924	ug/l	
77) Bromobenzene	11.201	156	85549	51.174	ug/l	98
78) n-propylbenzene	11.305	91	345286	46.711	ug/l	98
79) 2-Chlorotoluene	11.366	91	221845	48.561	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	265769	48.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30317	50.750	ug/l	94
82) 4-Chlorotoluene	11.457	91	256813	48.345	ug/l	97
83) tert-Butylbenzene	11.713	119	259213	47.171	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	270981	49.262	ug/l	99
85) sec-Butylbenzene	11.890	105	283063	44.149	ug/l	99
86) p-Isopropyltoluene	12.012	119	244985	44.320	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	151202	49.930	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	153317	49.566	ug/l	99
89) n-Butylbenzene	12.335	91	194924	43.055	ug/l	99
90) Hexachloroethane	12.536	117	39643	42.192	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	153539	50.714	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22090	48.694	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	86223	47.156	ug/l	99
94) Hexachlorobutadiene	13.725	225	28666	39.151	ug/l	100
95) Naphthalene	13.774	128	318500	52.220	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	87951	47.493	ug/l	98

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

