

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111622\
 Data File : VX032885.D
 Acq On : 16 Nov 2022 21:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2022
 Supervised By : Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 05:45:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	102947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	167026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75580	52.837	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.680%			
35) Dibromofluoromethane	5.385	113	63831	53.576	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.160%			
50) Toluene-d8	8.647	98	205512	49.607	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	88715	54.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	48838	41.132	ug/l	98
3) Chloromethane	1.294	50	39790	39.626	ug/l	97
4) Vinyl Chloride	1.374	62	46465	42.046	ug/l	99
5) Bromomethane	1.618	94	37012	41.910	ug/l	99
6) Chloroethane	1.691	64	40802	55.036	ug/l	98
7) Trichlorofluoromethane	1.892	101	95601	45.656	ug/l	99
8) Diethyl Ether	2.136	74	34092	50.241	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	52833	47.805	ug/l	99
10) Methyl Iodide	2.453	142	62348	50.692	ug/l	99
11) Tert butyl alcohol	3.008	59	51678m	248.217	ug/l	
12) 1,1-Dichloroethene	2.319	96	47585	46.091	ug/l	95
13) Acrolein	2.239	56	56787	273.220	ug/l	98
14) Allyl chloride	2.666	41	81143	49.304	ug/l	99
15) Acrylonitrile	3.069	53	135731	240.219	ug/l	99
16) Acetone	2.392	43	119425	229.711	ug/l	99
17) Carbon Disulfide	2.514	76	98822	40.187	ug/l	99
18) Methyl Acetate	2.703	43	90290	53.406	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	199670	55.026	ug/l	98
20) Methylene Chloride	2.788	84	58974	49.474	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	53151	47.296	ug/l	96
22) Diisopropyl ether	3.757	45	192681	54.127	ug/l	91
23) Vinyl Acetate	3.721	43	721225	250.773	ug/l	99
24) 1,1-Dichloroethane	3.611	63	108346	52.914	ug/l	99
25) 2-Butanone	4.562	43	185035	229.726	ug/l	99
26) 2,2-Dichloropropane	4.477	77	82152	50.473	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	69330	53.373	ug/l	98
28) Bromochloromethane	4.897	49	35591	48.799	ug/l	97
29) Tetrahydrofuran	5.007	42	119099	231.885	ug/l	98
30) Chloroform	5.093	83	123837	55.118	ug/l	99
31) Cyclohexane	5.477	56	74850	43.157	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	108518	53.823	ug/l	99
36) 1,1-Dichloropropene	5.696	75	78728	47.452	ug/l	99
37) Ethyl Acetate	4.715	43	76956	44.561	ug/l	99
38) Carbon Tetrachloride	5.684	117	90911	49.404	ug/l	98
39) Methylcyclohexane	7.379	83	81885	41.715	ug/l	98
40) Benzene	6.037	78	233033	49.635	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	44217	50.261	ug/l	99
42) 1,2-Dichloroethane	6.086	62	99576	51.884	ug/l	99
43) Isopropyl Acetate	6.342	43	131926	49.753	ug/l	99
44) Trichloroethene	7.129	130	65687	49.700	ug/l	99
45) 1,2-Dichloropropane	7.434	63	62347	51.732	ug/l	98
46) Dibromomethane	7.580	93	47628	51.530	ug/l	99
47) Bromodichloromethane	7.824	83	97647	55.742	ug/l	96
48) Methyl methacrylate	7.690	41	67053	48.963	ug/l	99
49) 1,4-Dioxane	7.708	88	23960	918.067	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	400766	239.954	ug/l	99
52) Toluene	8.720	92	154398	50.405	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	95686	53.535	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	101072	52.870	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	69435	53.825	ug/l	98
56) Ethyl methacrylate	9.116	69	99193	53.432	ug/l	98
57) 1,3-Dichloropropane	9.311	76	108535	52.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	238366	266.662	ug/l	99
59) 2-Hexanone	9.433	43	294009	237.239	ug/l	98
60) Dibromochloromethane	9.519	129	79065	56.113	ug/l	100
61) 1,2-Dibromoethane	9.610	107	71660	52.426	ug/l	100
64) Tetrachloroethene	9.275	164	55947	49.865	ug/l	97
65) Chlorobenzene	10.079	112	175147	51.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	70600	54.631	ug/l	99
67) Ethyl Benzene	10.195	91	310282	50.532	ug/l	100
68) m/p-Xylenes	10.299	106	241288	101.198	ug/l	100
69) o-Xylene	10.640	106	119063	51.360	ug/l	98
70) Styrene	10.659	104	205828	53.424	ug/l	99
71) Bromoform	10.799	173	56329	55.129	ug/l #	98
73) Isopropylbenzene	10.963	105	320658	49.269	ug/l	99
74) N-amyl acetate	10.842	43	120902	49.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	103253	49.426	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	90873m	49.732	ug/l	
77) Bromobenzene	11.201	156	81697	51.202	ug/l	99
78) n-propylbenzene	11.305	91	364597	48.623	ug/l	100
79) 2-Chlorotoluene	11.366	91	226292	50.392	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	275754	49.575	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26668	46.441	ug/l	99
82) 4-Chlorotoluene	11.457	91	258580	49.210	ug/l	99
83) tert-Butylbenzene	11.713	119	279987	50.418	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	275772	49.847	ug/l	100
85) sec-Butylbenzene	11.890	105	322551	48.271	ug/l	100
86) p-Isopropyltoluene	12.012	119	278222	49.069	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	152171	50.559	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	152913	48.972	ug/l	100
89) n-Butylbenzene	12.335	91	230161	46.660	ug/l	100
90) Hexachloroethane	12.536	117	46209	49.894	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	152598	51.419	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21817	47.631	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	93271	48.200	ug/l	98
94) Hexachlorobutadiene	13.725	225	37207	46.039	ug/l	99
95) Naphthalene	13.774	128	308767	47.887	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	94440	48.011	ug/l	99

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

