

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110822\
 Data File : VX032667.D
 Acq On : 08 Nov 2022 20:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/09/2022
 Supervised By : Mahesh Dadoda 11/09/2022

Quant Time: Nov 09 04:42:52 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	106648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171120	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72538	48.951	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.900%		
35) Dibromofluoromethane	5.391	113	58198	47.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.360%		
50) Toluene-d8	8.653	98	198094	46.672	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.340%		
62) 4-Bromofluorobenzene	11.079	95	82641	49.845	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57935	47.100	ug/l	98
3) Chloromethane	1.294	50	48469	46.595	ug/l	98
4) Vinyl Chloride	1.374	62	54829	47.893	ug/l	100
5) Bromomethane	1.611	94	49377	53.971	ug/l	94
6) Chloroethane	1.685	64	46837	60.984	ug/l	100
7) Trichlorofluoromethane	1.886	101	107418	49.519	ug/l	99
8) Diethyl Ether	2.136	74	35862	51.016	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	56806	49.616	ug/l	99
10) Methyl Iodide	2.453	142	63461	49.840	ug/l	100
11) Tert butyl alcohol	2.983	59	46444	215.336	ug/l	99
12) 1,1-Dichloroethene	2.319	96	51773	48.407	ug/l	94
13) Acrolein	2.239	56	50858	236.202	ug/l	99
14) Allyl chloride	2.666	41	85093	49.910	ug/l	99
15) Acrylonitrile	3.062	53	142833	244.015	ug/l	99
16) Acetone	2.386	43	128862	239.261	ug/l	97
17) Carbon Disulfide	2.514	76	99560	39.082	ug/l	99
18) Methyl Acetate	2.703	43	96535	55.118	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	194406	51.716	ug/l	99
20) Methylene Chloride	2.788	84	59530	48.207	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	55799	47.929	ug/l	98
22) Diisopropyl ether	3.757	45	194462	52.732	ug/l #	88
23) Vinyl Acetate	3.721	43	749849	251.678	ug/l	99
24) 1,1-Dichloroethane	3.611	63	108264	51.040	ug/l	100
25) 2-Butanone	4.562	43	201734	241.767	ug/l	97
26) 2,2-Dichloropropane	4.477	77	80375	47.667	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	69344	51.531	ug/l	98
28) Bromochloromethane	4.897	49	36442	48.232	ug/l	100
29) Tetrahydrofuran	5.007	42	129592	243.559	ug/l	100
30) Chloroform	5.099	83	123379	53.008	ug/l	98
31) Cyclohexane	5.470	56	87547	48.726	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	108342	51.871	ug/l	99
36) 1,1-Dichloropropene	5.696	75	83844	49.327	ug/l	100
37) Ethyl Acetate	4.714	43	82699	46.741	ug/l	98
38) Carbon Tetrachloride	5.678	117	90721	48.121	ug/l	99
39) Methylcyclohexane	7.379	83	93795	46.639	ug/l	100
40) Benzene	6.043	78	239178	49.725	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46412	51.493	ug/l	99
42) 1,2-Dichloroethane	6.092	62	103163	52.467	ug/l	100
43) Isopropyl Acetate	6.342	43	135880	50.018	ug/l	100
44) Trichloroethene	7.129	130	66425	49.056	ug/l	98
45) 1,2-Dichloropropane	7.433	63	62904	50.945	ug/l	96
46) Dibromomethane	7.580	93	46500	49.106	ug/l	99
47) Bromodichloromethane	7.824	83	90227	50.274	ug/l	100
48) Methyl methacrylate	7.696	41	70240	50.063	ug/l	99
49) 1,4-Dioxane	7.690	88	23379	874.373	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	433056	253.084	ug/l	100
52) Toluene	8.720	92	158391	50.472	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	93203	50.899	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	99884	50.999	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	67363	50.969	ug/l	99
56) Ethyl methacrylate	9.116	69	99779	52.462	ug/l	98
57) 1,3-Dichloropropane	9.311	76	109297	51.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	236743	258.510	ug/l	100
59) 2-Hexanone	9.433	43	319463	251.611	ug/l	99
60) Dibromochloromethane	9.525	129	70780	49.031	ug/l	100
61) 1,2-Dibromoethane	9.610	107	70954	50.668	ug/l	98
64) Tetrachloroethene	9.275	164	57680	50.615	ug/l	96
65) Chlorobenzene	10.079	112	176063	50.482	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	67342	51.304	ug/l	99
67) Ethyl Benzene	10.195	91	321956	51.623	ug/l	100
68) m/p-Xylenes	10.305	106	249040	102.834	ug/l	100
69) o-Xylene	10.640	106	121818	51.736	ug/l	100
70) Styrene	10.659	104	205635	52.549	ug/l	100
71) Bromoform	10.799	173	49741	47.929	ug/l #	99
73) Isopropylbenzene	10.963	105	332514	48.482	ug/l	100
74) N-amyl acetate	10.841	43	130514	50.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	103623	47.070	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	93379m	48.495	ug/l	
77) Bromobenzene	11.201	156	81911	48.715	ug/l	99
78) n-propylbenzene	11.305	91	384202	48.622	ug/l	100
79) 2-Chlorotoluene	11.366	91	231862	48.996	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	287888	49.114	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26714	44.146	ug/l	97
82) 4-Chlorotoluene	11.457	91	274133	49.506	ug/l	100
83) tert-Butylbenzene	11.713	119	284660	48.642	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	287797	49.365	ug/l	100
85) sec-Butylbenzene	11.890	105	342858	48.690	ug/l	100
86) p-Isopropyltoluene	12.012	119	293860	49.181	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	156068	49.206	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	157854	47.973	ug/l	100
89) n-Butylbenzene	12.335	91	249102	47.921	ug/l	99
90) Hexachloroethane	12.542	117	44801	45.904	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	154315	49.343	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21590	44.729	ug/l	100
93) 1,2,4-Trichlorobenzene	13.591	180	96198	47.175	ug/l	99
94) Hexachlorobutadiene	13.725	225	37975	44.590	ug/l	98
95) Naphthalene	13.774	128	325197	47.860	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	96515	46.561	ug/l	100

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

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