

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021722\
 Data File : VX027067.D
 Acq On : 17 Feb 2022 10:41
 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 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 03:45:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	79528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124764	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47144	49.383	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.760%			
35) Dibromofluoromethane	5.385	113	38413	51.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.360%			
50) Toluene-d8	8.647	98	141556	51.880	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.760%			
62) 4-Bromofluorobenzene	11.079	95	54002	56.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44851	51.866	ug/l	98
3) Chloromethane	1.294	50	38653	48.048	ug/l	100
4) Vinyl Chloride	1.374	62	39256	46.616	ug/l	98
5) Bromomethane	1.605	94	15902	44.500	ug/l	100
6) Chloroethane	1.685	64	23992	52.623	ug/l	99
7) Trichlorofluoromethane	1.886	101	62236	50.220	ug/l	99
8) Diethyl Ether	2.136	74	22444	48.891	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	44199	54.411	ug/l	99
10) Methyl Iodide	2.453	142	52759	46.970	ug/l	97
11) Tert butyl alcohol	2.971	59	44853	260.075	ug/l	97
12) 1,1-Dichloroethene	2.319	96	40838	50.176	ug/l	88
13) Acrolein	2.239	56	47979	301.041	ug/l	99
14) Allyl chloride	2.666	41	75526	52.387	ug/l	96
15) Acrylonitrile	3.062	53	132248	267.595	ug/l	98
16) Acetone	2.380	43	124126	296.038	ug/l	96
17) Carbon Disulfide	2.514	76	101853	44.206	ug/l	100
18) Methyl Acetate	2.703	43	59580	49.387	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	148346	51.493	ug/l	99
20) Methylene Chloride	2.788	84	46733	51.439	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	44436	51.883	ug/l	93
22) Diisopropyl ether	3.757	45	150659	51.906	ug/l	93
23) Vinyl Acetate	3.721	43	655922	268.778	ug/l	97
24) 1,1-Dichloroethane	3.611	63	82252	52.369	ug/l	99
25) 2-Butanone	4.556	43	186869	276.619	ug/l	98
26) 2,2-Dichloropropane	4.477	77	62381	58.784	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	52181	53.064	ug/l	96
28) Bromochloromethane	4.897	49	31604	48.542	ug/l	96
29) Tetrahydrofuran	5.001	42	119916	261.107	ug/l	98
30) Chloroform	5.093	83	85049	52.118	ug/l	98
31) Cyclohexane	5.477	56	74216	48.927	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	74648	51.884	ug/l	99
36) 1,1-Dichloropropene	5.696	75	61892	52.780	ug/l	98
37) Ethyl Acetate	4.708	43	70778	53.111	ug/l	99
38) Carbon Tetrachloride	5.678	117	66516	54.092	ug/l	96
39) Methylcyclohexane	7.379	83	78657	54.696	ug/l	98
40) Benzene	6.037	78	182267	53.332	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39830	55.145	ug/l	96
42) 1,2-Dichloroethane	6.086	62	67606	56.137	ug/l	98
43) Isopropyl Acetate	6.342	43	113911	55.554	ug/l	98
44) Trichloroethene	7.123	130	54423	53.035	ug/l	98
45) 1,2-Dichloropropane	7.427	63	47769	55.244	ug/l	100
46) Dibromomethane	7.580	93	34351	57.413	ug/l	98
47) Bromodichloromethane	7.824	83	66861	58.353	ug/l	99
48) Methyl methacrylate	7.690	41	56527	55.639	ug/l	96
49) 1,4-Dioxane	7.665	88	19396	1107.885	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	359532	289.352	ug/l	98
52) Toluene	8.720	92	117721	54.406	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	70659	56.777	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	76916	60.792	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	49590	60.538	ug/l	99
56) Ethyl methacrylate	9.116	69	78202	60.226	ug/l	96
57) 1,3-Dichloropropane	9.311	76	83074	59.058	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	178998	268.576	ug/l	98
59) 2-Hexanone	9.433	43	268965	295.943	ug/l	97
60) Dibromochloromethane	9.525	129	53259	63.189	ug/l	99
61) 1,2-Dibromoethane	9.610	107	51544	59.555	ug/l	100
64) Tetrachloroethene	9.275	164	57132	49.570	ug/l	93
65) Chlorobenzene	10.079	112	129788	54.688	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	49407	56.593	ug/l	99
67) Ethyl Benzene	10.195	91	231114	55.022	ug/l	99
68) m/p-Xylenes	10.305	106	178950	110.731	ug/l	97
69) o-Xylene	10.646	106	88125	55.650	ug/l	95
70) Styrene	10.659	104	148846	57.955	ug/l	98
71) Bromoform	10.799	173	38026	56.009	ug/l #	97
73) Isopropylbenzene	10.963	105	230608	52.903	ug/l	98
74) N-amyl acetate	10.842	43	93110	53.458	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	64343	54.392	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	65863m	54.368	ug/l	
77) Bromobenzene	11.201	156	55792	53.845	ug/l	96
78) n-propylbenzene	11.305	91	266743	55.198	ug/l	99
79) 2-Chlorotoluene	11.366	91	158497	53.082	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	195671	54.540	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20942	53.776	ug/l	92
82) 4-Chlorotoluene	11.457	91	183965	54.921	ug/l	98
83) tert-Butylbenzene	11.719	119	187096	54.716	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	196007	54.165	ug/l	98
85) sec-Butylbenzene	11.890	105	243744	56.235	ug/l	99
86) p-Isopropyltoluene	12.012	119	206591	56.262	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	104948	55.275	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	103611	54.111	ug/l	98
89) n-Butylbenzene	12.335	91	176486	58.745	ug/l	99
90) Hexachloroethane	12.542	117	32645	61.512	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	100767	55.004	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15656	53.818	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	65799	56.911	ug/l	97
94) Hexachlorobutadiene	13.725	225	28268	57.803	ug/l	98
95) Naphthalene	13.780	128	224386	55.406	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	66054	56.422	ug/l	99

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

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