

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031949.D
 Acq On : 07 Oct 2022 09:51
 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 10/10/2022
 Supervised By : Mahesh Dadoda 10/10/2022

Quant Time: Oct 08 05:06:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	69713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	104980	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66921	46.482	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	5.379	113	58152	48.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.880%		
50) Toluene-d8	8.647	98	210456	49.218	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.440%		
62) 4-Bromofluorobenzene	11.079	95	78036	51.622	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	53988	52.037	ug/l	96
3) Chloromethane	1.288	50	49308	45.386	ug/l	99
4) Vinyl Chloride	1.374	62	59535	46.891	ug/l	99
5) Bromomethane	1.611	94	42989	52.397	ug/l	100
6) Chloroethane	1.685	64	52285	48.393	ug/l	99
7) Trichlorofluoromethane	1.886	101	110441	48.392	ug/l	100
8) Diethyl Ether	2.130	74	37173	47.785	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	57052	49.458	ug/l	91
10) Methyl Iodide	2.447	142	52666	45.152	ug/l	99
11) Tert butyl alcohol	2.989	59	38520	215.045	ug/l	99
12) 1,1-Dichloroethene	2.319	96	52156	49.117	ug/l	87
13) Acrolein	2.233	56	29830	291.423	ug/l	100
14) Allyl chloride	2.660	41	75570	50.016	ug/l	97
15) Acrylonitrile	3.062	53	129034	225.969	ug/l	99
16) Acetone	2.386	43	111968	228.830	ug/l	94
17) Carbon Disulfide	2.508	76	117156	51.378	ug/l	99
18) Methyl Acetate	2.703	43	72966	45.195	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	176106	49.422	ug/l	98
20) Methylene Chloride	2.788	84	58206	45.268	ug/l	87
21) trans-1,2-Dichloroethene	3.087	96	56691	48.209	ug/l	95
22) Diisopropyl ether	3.757	45	168633	49.647	ug/l	95
23) Vinyl Acetate	3.715	43	655662	258.243	ug/l	97
24) 1,1-Dichloroethane	3.605	63	99971	49.100	ug/l	98
25) 2-Butanone	4.556	43	176179	230.331	ug/l	94
26) 2,2-Dichloropropane	4.471	77	78649	53.778	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	67336	47.856	ug/l	89
28) Bromochloromethane	4.891	49	41712	47.862	ug/l #	78
29) Tetrahydrofuran	5.001	42	108631	220.111	ug/l	92
30) Chloroform	5.086	83	110389	48.674	ug/l	100
31) Cyclohexane	5.464	56	84812	49.311	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	97252	50.461	ug/l	99
36) 1,1-Dichloropropene	5.690	75	79175	50.245	ug/l	97
37) Ethyl Acetate	4.708	43	71552	48.231	ug/l	99
38) Carbon Tetrachloride	5.672	117	85795	53.249	ug/l	94
39) Methylcyclohexane	7.379	83	97562	51.906	ug/l	94
40) Benzene	6.031	78	233434	50.590	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	38803	50.300	ug/l	97
42) 1,2-Dichloroethane	6.080	62	83285	49.532	ug/l	97
43) Isopropyl Acetate	6.336	43	115023	51.103	ug/l	96
44) Trichloroethene	7.123	130	67494	49.886	ug/l	95
45) 1,2-Dichloropropane	7.427	63	57333	50.560	ug/l	97
46) Dibromomethane	7.580	93	43360	49.340	ug/l	90
47) Bromodichloromethane	7.818	83	85035	56.013	ug/l	100
48) Methyl methacrylate	7.690	41	56347	52.389	ug/l	94
49) 1,4-Dioxane	7.684	88	22500	919.169	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	361165	242.133	ug/l	97
52) Toluene	8.714	92	153171	50.771	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	85445	52.229	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	95033	57.803	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	62413	49.016	ug/l	97
56) Ethyl methacrylate	9.116	69	86861	53.217	ug/l	95
57) 1,3-Dichloropropane	9.305	76	101437	49.574	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	211983	251.601	ug/l	93
59) 2-Hexanone	9.427	43	270241	245.716	ug/l	96
60) Dibromochloromethane	9.519	129	66592	57.145	ug/l	100
61) 1,2-Dibromoethane	9.610	107	66545	51.968	ug/l	99
64) Tetrachloroethene	9.275	164	65530	51.542	ug/l	96
65) Chlorobenzene	10.079	112	167614	49.122	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	61194	51.829	ug/l	98
67) Ethyl Benzene	10.195	91	298680	51.742	ug/l	98
68) m/p-Xylenes	10.299	106	238392	103.923	ug/l	98
69) o-Xylene	10.640	106	115562	51.830	ug/l	97
70) Styrene	10.653	104	191337	53.681	ug/l	98
71) Bromoform	10.799	173	45733	59.168	ug/l #	99
73) Isopropylbenzene	10.963	105	305933	50.941	ug/l	99
74) N-amyl acetate	10.841	43	101378	55.278	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	89367	46.835	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	80209m	49.150	ug/l	
77) Bromobenzene	11.195	156	73323	49.565	ug/l	96
78) n-propylbenzene	11.305	91	356324	52.164	ug/l	99
79) 2-Chlorotoluene	11.366	91	206930	50.339	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	258438	51.886	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23524	51.069	ug/l	93
82) 4-Chlorotoluene	11.457	91	239805	50.938	ug/l	98
83) tert-Butylbenzene	11.713	119	251846	51.088	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	259507	51.287	ug/l	99
85) sec-Butylbenzene	11.890	105	323602	53.021	ug/l	100
86) p-Isopropyltoluene	12.012	119	280769	54.639	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	144225	51.203	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	145083	50.041	ug/l	99
89) n-Butylbenzene	12.335	91	241190	56.049	ug/l	100
90) Hexachloroethane	12.536	117	42925	52.465	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	142147	50.758	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18396	52.669	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	92726	54.554	ug/l	99
94) Hexachlorobutadiene	13.725	225	37657	54.777	ug/l	98
95) Naphthalene	13.774	128	298353	51.226	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	92270	53.518	ug/l	99

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

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