

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032857.D
 Acq On : 16 Nov 2022 09:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 14:43:57 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	5.550	168	92178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148187	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67902	53.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.040%			
35) Dibromofluoromethane	5.385	113	56580	53.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.060%			
50) Toluene-d8	8.647	98	187541	51.024	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.040%			
62) 4-Bromofluorobenzene	11.079	95	78772	54.865	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45280	42.591	ug/l	98
3) Chloromethane	1.294	50	37872	42.123	ug/l	97
4) Vinyl Chloride	1.374	62	45036	45.514	ug/l	98
5) Bromomethane	1.618	94	35588	45.005	ug/l	97
6) Chloroethane	1.691	64	46609	70.214	ug/l	98
7) Trichlorofluoromethane	1.886	101	91408	48.754	ug/l	97
8) Diethyl Ether	2.130	74	30958	50.953	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	49476	49.997	ug/l	100
10) Methyl Iodide	2.453	142	48049	43.897	ug/l	99
11) Tert butyl alcohol	3.001	59	30632	164.319	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	44728	48.385	ug/l	96
13) Acrolein	2.239	56	38880	208.918	ug/l	98
14) Allyl chloride	2.666	41	71397	48.451	ug/l	98
15) Acrylonitrile	3.068	53	123786	244.673	ug/l	98
16) Acetone	2.392	43	107083	230.035	ug/l	97
17) Carbon Disulfide	2.514	76	85478	38.821	ug/l	99
18) Methyl Acetate	2.703	43	81744	54.000	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	172672	53.145	ug/l	99
20) Methylene Chloride	2.788	84	54552	51.111	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	49516	49.209	ug/l	96
22) Diisopropyl ether	3.757	45	174885	54.868	ug/l #	89
23) Vinyl Acetate	3.721	43	645782	250.774	ug/l	100
24) 1,1-Dichloroethane	3.611	63	97484	53.172	ug/l	98
25) 2-Butanone	4.556	43	167602	232.392	ug/l	98
26) 2,2-Dichloropropane	4.477	77	60929	41.807	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	62287	53.553	ug/l	98
28) Bromochloromethane	4.904	49	32026	49.041	ug/l	97
29) Tetrahydrofuran	5.007	42	109939	239.058	ug/l	99
30) Chloroform	5.093	83	113594	56.465	ug/l	100
31) Cyclohexane	5.470	56	73724	47.474	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	98825	54.742	ug/l	99
36) 1,1-Dichloropropene	5.696	75	72505	49.257	ug/l	99
37) Ethyl Acetate	4.708	43	68167	44.490	ug/l	99
38) Carbon Tetrachloride	5.684	117	84750	51.911	ug/l	98
39) Methylcyclohexane	7.379	83	78958	45.337	ug/l	98
40) Benzene	6.037	78	214556	51.509	ug/l	98

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41) Methacrylonitrile	4.916	41	40070	51.337	ug/l	98
42) 1,2-Dichloroethane	6.086	62	92922	54.572	ug/l	100
43) Isopropyl Acetate	6.342	43	114461	48.654	ug/l	100
44) Trichloroethene	7.129	130	60355	51.471	ug/l	99
45) 1,2-Dichloropropane	7.434	63	57754	54.013	ug/l	99
46) Dibromomethane	7.580	93	42865	52.272	ug/l	99
47) Bromodichloromethane	7.824	83	87676	56.413	ug/l	98
48) Methyl methacrylate	7.696	41	60510	49.803	ug/l	100
49) 1,4-Dioxane	7.708	88	20524	886.387	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	373630	252.146	ug/l	99
52) Toluene	8.720	92	143354	52.749	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	82652	52.122	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	87746	51.735	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	61418	53.663	ug/l	98
56) Ethyl methacrylate	9.116	69	87623	53.201	ug/l	99
57) 1,3-Dichloropropane	9.311	76	99324	53.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	204152	257.422	ug/l	99
59) 2-Hexanone	9.433	43	268565	244.259	ug/l	100
60) Dibromochloromethane	9.519	129	69259	55.403	ug/l	99
61) 1,2-Dibromoethane	9.610	107	64261	52.990	ug/l	100
64) Tetrachloroethene	9.275	164	51198	51.178	ug/l	97
65) Chlorobenzene	10.079	112	161731	52.825	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	64341	55.838	ug/l	98
67) Ethyl Benzene	10.195	91	290050	52.978	ug/l	99
68) m/p-Xylenes	10.299	106	226191	106.394	ug/l	100
69) o-Xylene	10.640	106	111497	53.941	ug/l	100
70) Styrene	10.659	104	189657	55.209	ug/l	100
71) Bromoform	10.799	173	49713	54.567	ug/l #	99
73) Isopropylbenzene	10.963	105	304342	51.168	ug/l	100
74) N-amyl acetate	10.841	43	105705	47.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	93982	49.226	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82542m	49.429	ug/l	
77) Bromobenzene	11.201	156	74377	51.007	ug/l	99
78) n-propylbenzene	11.305	91	346198	50.519	ug/l	100
79) 2-Chlorotoluene	11.366	91	211052	51.426	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	258589	50.869	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21986	41.895	ug/l	94
82) 4-Chlorotoluene	11.457	91	244202	50.852	ug/l	99
83) tert-Butylbenzene	11.713	119	264127	52.043	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	259188	51.264	ug/l	99
85) sec-Butylbenzene	11.890	105	312574	51.185	ug/l	100
86) p-Isopropyltoluene	12.012	119	265444	51.226	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	141079	51.290	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	143372	50.243	ug/l	99
89) n-Butylbenzene	12.335	91	221492	49.133	ug/l	99
90) Hexachloroethane	12.542	117	42276	49.949	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	141228	52.071	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18418	43.999	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	85073	48.106	ug/l	98
94) Hexachlorobutadiene	13.725	225	34942	47.310	ug/l	100
95) Naphthalene	13.774	128	279498	47.432	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	86629	48.190	ug/l	99

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

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