

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103122\
 Data File : VX032475.D
 Acq On : 31 Oct 2022 10:02
 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 11/01/2022
 Supervised By : Mahesh Dadoda 11/01/2022

Quant Time: Nov 01 05:04:10 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	5.543	168	127833	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.756	114	193942	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89829	50.573	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.140%			
35) Dibromofluoromethane	5.379	113	72187	52.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	8.646	98	248052	51.566	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.140%			
62) 4-Bromofluorobenzene	11.079	95	101843	54.199	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	80203	54.398	ug/l	97
3) Chloromethane	1.294	50	62927	50.468	ug/l	99
4) Vinyl Chloride	1.373	62	71418	52.045	ug/l	98
5) Bromomethane	1.617	94	51576	47.032	ug/l	96
6) Chloroethane	1.690	64	57948	62.947	ug/l	98
7) Trichlorofluoromethane	1.885	101	133748	51.439	ug/l	100
8) Diethyl Ether	2.129	74	40263	47.784	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.330	101	73340	53.441	ug/l	98
10) Methyl Iodide	2.452	142	85569	55.826	ug/l	99
11) Tert butyl alcohol	2.995	59	66374m	256.741	ug/l	
12) 1,1-Dichloroethene	2.318	96	65670	51.225	ug/l	96
13) Acrolein	2.239	56	83065	321.849	ug/l	99
14) Allyl chloride	2.660	41	107492	52.600	ug/l	99
15) Acrylonitrile	3.062	53	161362	229.985	ug/l	99
16) Acetone	2.385	43	185924	288.000	ug/l	100
17) Carbon Disulfide	2.513	76	164892	54.001	ug/l	98
18) Methyl Acetate	2.702	43	101687	48.438	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	228166	50.638	ug/l	99
20) Methylene Chloride	2.788	84	70776	47.816	ug/l	99
21) trans-1,2-Dichloroethene	3.086	96	70564	50.567	ug/l	98
22) Diisopropyl ether	3.757	45	222306	50.292	ug/l	96
23) Vinyl Acetate	3.714	43	902449	252.699	ug/l	100
24) 1,1-Dichloroethane	3.611	63	128844	50.675	ug/l	100
25) 2-Butanone	4.556	43	252307	252.264	ug/l	99
26) 2,2-Dichloropropane	4.470	77	117046	57.912	ug/l	99
27) cis-1,2-Dichloroethene	4.482	96	82445	51.113	ug/l	97
28) Bromochloromethane	4.891	49	44744	49.406	ug/l	97
29) Tetrahydrofuran	5.001	42	145039	227.416	ug/l	100
30) Chloroform	5.092	83	142406	51.043	ug/l	99
31) Cyclohexane	5.464	56	111974	51.993	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	133698	53.403	ug/l	99
36) 1,1-Dichloropropene	5.683	75	103413	53.680	ug/l	100
37) Ethyl Acetate	4.708	43	94206	46.979	ug/l	99
38) Carbon Tetrachloride	5.671	117	120887	56.576	ug/l	96
39) Methylcyclohexane	7.378	83	126491	55.495	ug/l	99
40) Benzene	6.037	78	283262	51.960	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	51443	50.359	ug/l	99
42) 1,2-Dichloroethane	6.080	62	119028	53.412	ug/l	100
43) Isopropyl Acetate	6.336	43	157153	51.042	ug/l	99
44) Trichloroethene	7.122	130	81042	52.808	ug/l	98
45) 1,2-Dichloropropane	7.427	63	73422	52.466	ug/l	98
46) Dibromomethane	7.579	93	56277	52.437	ug/l	99
47) Bromodichloromethane	7.817	83	113725	55.910	ug/l	100
48) Methyl methacrylate	7.689	41	79774	50.168	ug/l	99
49) 1,4-Dioxane	7.695	88	30022	990.694	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	472480	243.631	ug/l	100
52) Toluene	8.713	92	186814	52.524	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120249	57.941	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	125572	56.570	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	77174	51.521	ug/l	99
56) Ethyl methacrylate	9.116	69	114433	53.087	ug/l	99
57) 1,3-Dichloropropane	9.305	76	124563	51.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	245163	236.203	ug/l	100
59) 2-Hexanone	9.427	43	377243	262.156	ug/l	100
60) Dibromochloromethane	9.518	129	90423	55.268	ug/l	100
61) 1,2-Dibromoethane	9.610	107	83629	52.692	ug/l	100
64) Tetrachloroethene	9.274	164	69445	53.885	ug/l	98
65) Chlorobenzene	10.079	112	207342	52.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	81244	54.730	ug/l	98
67) Ethyl Benzene	10.195	91	376121	53.327	ug/l	99
68) m/p-Xylenes	10.298	106	294174	107.410	ug/l	99
69) o-Xylene	10.640	106	142654	53.572	ug/l	100
70) Styrene	10.652	104	241141	54.489	ug/l	100
71) Bromoform	10.798	173	67150	57.214	ug/l #	99
73) Isopropylbenzene	10.963	105	383076	49.276	ug/l	99
74) N-amyl acetate	10.841	43	145621	49.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	116394	46.645	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	94641m	43.362	ug/l	
77) Bromobenzene	11.195	156	94756	49.718	ug/l	99
78) n-propylbenzene	11.304	91	459110	51.259	ug/l	100
79) 2-Chlorotoluene	11.365	91	270815	50.488	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	342937	51.615	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	37310	54.395	ug/l	96
82) 4-Chlorotoluene	11.457	91	321271	51.186	ug/l	100
83) tert-Butylbenzene	11.713	119	339479	51.178	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	338158	51.172	ug/l	99
85) sec-Butylbenzene	11.890	105	417840	52.350	ug/l	100
86) p-Isopropyltoluene	12.012	119	359096	53.021	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	182639	50.802	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	186246	49.936	ug/l	99
89) n-Butylbenzene	12.335	91	321897	54.632	ug/l	99
90) Hexachloroethane	12.542	117	61630	55.711	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	178569	50.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	26629	48.671	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	116602	50.447	ug/l	99
94) Hexachlorobutadiene	13.725	225	50728	52.550	ug/l	99
95) Naphthalene	13.773	128	365537	47.461	ug/l	100
96) 1,2,3-Trichlorobenzene	13.962	180	114821	48.869	ug/l	100

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

