

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032353.D
 Acq On : 25 Oct 2022 10:17
 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 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 14:15:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	134463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	206461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87227	49.866	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.740%		
35) Dibromofluoromethane	5.385	113	70964	49.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.780%		
50) Toluene-d8	8.647	98	249071	48.161	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.320%		
62) 4-Bromofluorobenzene	11.079	95	98427	51.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	55659	45.245	ug/l	100
3) Chloromethane	1.294	50	50158	41.796	ug/l	97
4) Vinyl Chloride	1.374	62	57883	43.689	ug/l	99
5) Bromomethane	1.611	94	62122	44.783	ug/l	99
6) Chloroethane	1.685	64	49858	42.201	ug/l	99
7) Trichlorofluoromethane	1.886	101	115307	48.957	ug/l	100
8) Diethyl Ether	2.130	74	38229	47.763	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	63769	49.940	ug/l	98
10) Methyl Iodide	2.453	142	60523	32.799	ug/l	97
11) Tert butyl alcohol	2.983	59	50283	199.445	ug/l	98
12) 1,1-Dichloroethene	2.319	96	55935	46.606	ug/l	94
13) Acrolein	2.233	56	49540	232.649	ug/l	100
14) Allyl chloride	2.660	41	91888	48.747	ug/l	97
15) Acrylonitrile	3.062	53	147506	224.842	ug/l	99
16) Acetone	2.386	43	155731	274.339	ug/l	99
17) Carbon Disulfide	2.514	76	124509	44.313	ug/l	97
18) Methyl Acetate	2.703	43	90582	47.002	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	204194	49.373	ug/l	98
20) Methylene Chloride	2.788	84	63891	43.834	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	59890	45.816	ug/l	97
22) Diisopropyl ether	3.757	45	201865	48.904	ug/l	96
23) Vinyl Acetate	3.721	43	801140	242.830	ug/l	100
24) 1,1-Dichloroethane	3.611	63	116232	48.735	ug/l	99
25) 2-Butanone	4.556	43	221495	249.917	ug/l	99
26) 2,2-Dichloropropane	4.471	77	98172	57.132	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	74093	48.410	ug/l	97
28) Bromochloromethane	4.897	49	44262	44.983	ug/l	99
29) Tetrahydrofuran	5.001	42	129814	226.782	ug/l	99
30) Chloroform	5.093	83	128261	49.409	ug/l	100
31) Cyclohexane	5.471	56	93469	46.741	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	116514	52.634	ug/l	99
36) 1,1-Dichloropropene	5.690	75	89171	48.250	ug/l	99
37) Ethyl Acetate	4.708	43	82834	45.778	ug/l	99
38) Carbon Tetrachloride	5.678	117	103487	53.044	ug/l	99
39) Methylcyclohexane	7.379	83	107334	48.617	ug/l	99
40) Benzene	6.037	78	253425	47.313	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	47063	49.324	ug/l	97
42) 1,2-Dichloroethane	6.086	62	106481	51.899	ug/l	99
43) Isopropyl Acetate	6.336	43	142384	50.135	ug/l	99
44) Trichloroethene	7.123	130	70819	48.013	ug/l	100
45) 1,2-Dichloropropane	7.427	63	67454	49.921	ug/l	99
46) Dibromomethane	7.580	93	50062	49.674	ug/l	99
47) Bromodichloromethane	7.818	83	102552	55.085	ug/l	95
48) Methyl methacrylate	7.690	41	71789	50.685	ug/l	98
49) 1,4-Dioxane	7.684	88	24565	864.194	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	432736	243.073	ug/l	100
52) Toluene	8.720	92	168592	48.588	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	105833	50.431	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	111787	53.888	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	70912	50.308	ug/l	97
56) Ethyl methacrylate	9.116	69	102785	50.631	ug/l	99
57) 1,3-Dichloropropane	9.311	76	115010	50.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	227539	244.535	ug/l	100
59) 2-Hexanone	9.433	43	338354	254.714	ug/l	100
60) Dibromochloromethane	9.519	129	81416	56.357	ug/l	98
61) 1,2-Dibromoethane	9.610	107	74854	50.095	ug/l	97
64) Tetrachloroethene	9.275	164	58981	47.679	ug/l	98
65) Chlorobenzene	10.079	112	188001	48.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	72191	52.528	ug/l	98
67) Ethyl Benzene	10.195	91	340293	50.042	ug/l	100
68) m/p-Xylenes	10.299	106	264800	98.604	ug/l	99
69) o-Xylene	10.640	106	129734	50.428	ug/l	100
70) Styrene	10.652	104	218507	50.366	ug/l	99
71) Bromoform	10.799	173	60355	51.688	ug/l #	99
73) Isopropylbenzene	10.963	105	353985	48.162	ug/l	99
74) N-amyl acetate	10.841	43	134155	49.407	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	109475	46.331	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	98186m	48.108	ug/l	
77) Bromobenzene	11.195	156	84839	47.092	ug/l	98
78) n-propylbenzene	11.305	91	415395	49.358	ug/l	100
79) 2-Chlorotoluene	11.366	91	244689	48.242	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	308877	48.654	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31936	49.213	ug/l	99
82) 4-Chlorotoluene	11.457	91	290761	49.238	ug/l	100
83) tert-Butylbenzene	11.713	119	312043	49.126	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	308133	49.923	ug/l	99
85) sec-Butylbenzene	11.890	105	385983	50.282	ug/l	99
86) p-Isopropyltoluene	12.012	119	329917	50.511	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	168474	48.587	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	169634	47.625	ug/l	99
89) n-Butylbenzene	12.335	91	294369	51.168	ug/l	99
90) Hexachloroethane	12.536	117	55999	55.252	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	166435	48.894	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23676	52.445	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	106342	47.988	ug/l	98
94) Hexachlorobutadiene	13.725	225	45893	47.716	ug/l	98
95) Naphthalene	13.774	128	339940	47.896	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	105600	47.378	ug/l	99

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

