

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033521.D
 Acq On : 20 Dec 2022 20:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 04:17:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	157318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38437	38.085	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	76.160%#		
35) Dibromofluoromethane	5.385	113	50873	46.385	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	8.647	98	104440	45.521	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.040%#		
62) 4-Bromofluorobenzene	11.079	95	80143	45.684	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	55730	50.712	ug/l	96
3) Chloromethane	1.294	50	55515	43.691	ug/l	96
4) Vinyl Chloride	1.373	62	66797	46.041	ug/l	99
5) Bromomethane	1.617	94	42388	39.812	ug/l	96
6) Chloroethane	1.691	64	37679	34.239	ug/l	100
7) Trichlorofluoromethane	1.886	101	127495	46.808	ug/l	99
8) Diethyl Ether	2.129	74	47459	48.240	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	73236	50.687	ug/l	95
10) Methyl Iodide	2.453	142	92404	58.393	ug/l	95
11) Tert butyl alcohol	2.983	59	73442	238.015	ug/l #	88
12) 1,1-Dichloroethene	2.318	96	69484	48.719	ug/l	95
13) Acrolein	2.239	56	121325	362.543	ug/l	100
14) Allyl chloride	2.666	41	104274	45.782	ug/l	90
15) Acrylonitrile	3.062	53	172109	225.172	ug/l	98
16) Acetone	2.386	43	140562	188.215	ug/l	93
17) Carbon Disulfide	2.514	76	165667	45.258	ug/l	99
18) Methyl Acetate	2.703	43	102362	47.347	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	253582	51.330	ug/l	98
20) Methylene Chloride	2.788	84	78052	46.863	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	77309	49.553	ug/l	93
22) Diisopropyl ether	3.757	45	207870	42.599	ug/l	93
23) Vinyl Acetate	3.721	43	841163	222.087	ug/l	97
24) 1,1-Dichloroethane	3.611	63	127762	44.560	ug/l	99
25) 2-Butanone	4.556	43	226041	210.860	ug/l	97
26) 2,2-Dichloropropane	4.477	77	107459	50.965	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	89357	47.925	ug/l	94
28) Bromochloromethane	4.897	49	47498	39.575	ug/l	83
29) Tetrahydrofuran	5.001	42	145428	209.385	ug/l	92
30) Chloroform	5.092	83	151026	47.447	ug/l	100
31) Cyclohexane	5.470	56	111168	46.348	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	136703	49.916	ug/l	96
36) 1,1-Dichloropropene	5.696	75	106878	49.983	ug/l	98
37) Ethyl Acetate	4.714	43	90591	44.818	ug/l	96
38) Carbon Tetrachloride	5.678	117	120904	50.466	ug/l	98
39) Methylcyclohexane	7.379	83	123612	51.647	ug/l	96
40) Benzene	6.037	78	311778	50.008	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50422	45.269	ug/l	93
42) 1,2-Dichloroethane	6.086	62	110288	44.548	ug/l	95
43) Isopropyl Acetate	6.336	43	156956	48.261	ug/l #	93
44) Trichloroethene	7.129	130	93496	54.392	ug/l	97
45) 1,2-Dichloropropane	7.433	63	79749	50.017	ug/l	99
46) Dibromomethane	7.580	93	60643	49.927	ug/l	95
47) Bromodichloromethane	7.824	83	119184	50.338	ug/l	100
48) Methyl methacrylate	7.689	41	76386	45.508	ug/l	86
49) 1,4-Dioxane	7.702	88	33788	882.762	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	469860	228.454	ug/l	93
52) Toluene	8.720	92	206886	51.324	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	121395	47.841	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	132049	52.411	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	87163	51.440	ug/l	99
56) Ethyl methacrylate	9.116	69	126944	53.210	ug/l #	85
57) 1,3-Dichloropropane	9.305	76	136163	50.023	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	271695	248.892	ug/l	95
59) 2-Hexanone	9.433	43	340854	224.891	ug/l	91
60) Dibromochloromethane	9.518	129	98450	52.734	ug/l	100
61) 1,2-Dibromoethane	9.610	107	93441	51.843	ug/l	99
64) Tetrachloroethene	9.275	164	79737	53.891	ug/l	96
65) Chlorobenzene	10.079	112	233009	53.177	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	88100	53.204	ug/l	99
67) Ethyl Benzene	10.195	91	389990	51.088	ug/l	97
68) m/p-Xylenes	10.305	106	304158	102.410	ug/l	97
69) o-Xylene	10.640	106	145441	49.543	ug/l	98
70) Styrene	10.652	104	243465	50.638	ug/l	99
71) Bromoform	10.799	173	68024	51.899	ug/l #	98
73) Isopropylbenzene	10.963	105	368600	47.397	ug/l	99
74) N-amyl acetate	10.841	43	128100	48.279	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	115803	46.937	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103733m	47.520	ug/l	
77) Bromobenzene	11.201	156	100822	51.340	ug/l	95
78) n-propylbenzene	11.305	91	440248	50.699	ug/l	98
79) 2-Chlorotoluene	11.366	91	270749	50.451	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	334920	51.737	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	30600	43.605	ug/l	96
82) 4-Chlorotoluene	11.457	91	313534	50.244	ug/l	98
83) tert-Butylbenzene	11.713	119	350690	54.325	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	340361	52.672	ug/l	99
85) sec-Butylbenzene	11.890	105	410363	54.485	ug/l	99
86) p-Isopropyltoluene	12.012	119	348368	53.649	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	191067	53.710	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	190575	52.447	ug/l	98
89) n-Butylbenzene	12.335	91	284054	53.410	ug/l	98
90) Hexachloroethane	12.536	117	55816	50.569	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	185023	52.023	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25176	47.242	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	115761	53.893	ug/l	99
94) Hexachlorobutadiene	13.725	225	49565	57.625	ug/l	99
95) Naphthalene	13.774	128	389284	54.332	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	116865	53.720	ug/l	99

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

