

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031508.D
 Acq On : 20 Sep 2022 20:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2022
 Supervised By : Mahesh Dadoda 09/21/2022

Quant Time: Sep 21 04:56:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	118992	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78802	54.765	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.520%			
35) Dibromofluoromethane	5.385	113	65175	53.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.080%			
50) Toluene-d8	8.653	98	239354	50.489	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	95861	59.696	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57080	50.598	ug/l	98
3) Chloromethane	1.288	50	66554	44.471	ug/l	99
4) Vinyl Chloride	1.374	62	75356	44.157	ug/l	100
5) Bromomethane	1.611	94	85814	35.316	ug/l	98
6) Chloroethane	1.685	64	72853	49.242	ug/l	94
7) Trichlorofluoromethane	1.886	101	170282	43.991	ug/l	99
8) Diethyl Ether	2.136	74	60700	45.530	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	52675	41.694	ug/l	93
10) Methyl Iodide	2.453	142	65188	53.332	ug/l	99
11) Tert butyl alcohol	2.995	59	80329	266.650	ug/l	100
12) 1,1-Dichloroethene	2.319	96	54168	44.353	ug/l	91
13) Acrolein	2.239	56	29452	185.530	ug/l	98
14) Allyl chloride	2.666	41	88358	44.365	ug/l	96
15) Acrylonitrile	3.068	53	177433	234.318	ug/l	99
16) Acetone	2.392	43	151285	266.744	ug/l	98
17) Carbon Disulfide	2.508	76	129830	39.454	ug/l	99
18) Methyl Acetate	2.709	43	98180	45.660	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	212140	48.028	ug/l	100
20) Methylene Chloride	2.788	84	64598	50.264	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	62685	45.453	ug/l	94
22) Diisopropyl ether	3.763	45	208825	48.419	ug/l	94
23) Vinyl Acetate	3.727	43	898885	243.709	ug/l	96
24) 1,1-Dichloroethane	3.611	63	112756	46.263	ug/l	99
25) 2-Butanone	4.562	43	256301	230.712	ug/l	98
26) 2,2-Dichloropropane	4.477	77	87956	40.854	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	74143	44.606	ug/l	90
28) Bromochloromethane	4.903	49	49408	50.745	ug/l	90
29) Tetrahydrofuran	5.013	42	170149	234.857	ug/l	92
30) Chloroform	5.092	83	130080	48.663	ug/l	97
31) Cyclohexane	5.477	56	90569	42.436	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	112174	46.201	ug/l	99
36) 1,1-Dichloropropene	5.690	75	85935	45.434	ug/l	98
37) Ethyl Acetate	4.721	43	103880	46.038	ug/l	99
38) Carbon Tetrachloride	5.678	117	93072	44.393	ug/l	97
39) Methylcyclohexane	7.385	83	94131	40.448	ug/l	96
40) Benzene	6.044	78	264826	46.932	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	52999	47.175	ug/l	95
42) 1,2-Dichloroethane	6.092	62	104878	50.425	ug/l	99
43) Isopropyl Acetate	6.348	43	166429	47.990	ug/l	98
44) Trichloroethene	7.129	130	69866	43.669	ug/l	94
45) 1,2-Dichloropropane	7.434	63	62572	44.114	ug/l	96
46) Dibromomethane	7.586	93	50273	46.045	ug/l	94
47) Bromodichloromethane	7.824	83	90477	44.075	ug/l	99
48) Methyl methacrylate	7.696	41	73239	46.225	ug/l	91
49) 1,4-Dioxane	7.690	88	35719	987.176	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	531421	238.239	ug/l	97
52) Toluene	8.720	92	183381	49.830	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	104694	49.285	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	103790	44.675	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	72953	48.109	ug/l	99
56) Ethyl methacrylate	9.116	69	114806	53.231	ug/l	95
57) 1,3-Dichloropropane	9.311	76	117585	47.252	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	210087	235.065	ug/l	95
59) 2-Hexanone	9.433	43	415423	247.976	ug/l	97
60) Dibromochloromethane	9.525	129	78460	48.725	ug/l	97
61) 1,2-Dibromoethane	9.610	107	82210	50.324	ug/l	99
64) Tetrachloroethene	9.275	164	68570	41.591	ug/l	97
65) Chlorobenzene	10.079	112	196358	46.390	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	71923	47.095	ug/l	97
67) Ethyl Benzene	10.195	91	347724	46.528	ug/l	100
68) m/p-Xylenes	10.305	106	309853	103.169	ug/l	97
69) o-Xylene	10.646	106	144155	50.286	ug/l	97
70) Styrene	10.659	104	255161	54.061	ug/l	96
71) Bromoform	10.799	173	59129	48.390	ug/l #	97
73) Isopropylbenzene	10.963	105	371062	38.423	ug/l	100
74) N-amyl acetate	10.841	43	149815	38.274	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	121989	45.994	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	113990m	39.493	ug/l	
77) Bromobenzene	11.201	156	93412	39.247	ug/l	95
78) n-propylbenzene	11.305	91	434266	39.086	ug/l	98
79) 2-Chlorotoluene	11.366	91	266834	40.349	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	358178	43.703	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	36233	40.420	ug/l	96
82) 4-Chlorotoluene	11.457	91	331291	42.687	ug/l	96
83) tert-Butylbenzene	11.713	119	332342	41.839	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	359772	44.574	ug/l	99
85) sec-Butylbenzene	11.890	105	408770	40.663	ug/l	99
86) p-Isopropyltoluene	12.012	119	366463	43.171	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	189780	41.600	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	209458	44.019	ug/l	98
89) n-Butylbenzene	12.335	91	291893	40.368	ug/l	98
90) Hexachloroethane	12.542	117	55076	37.759	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	196153	42.697	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28539	43.007	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	97630	38.568	ug/l	97
94) Hexachlorobutadiene	13.725	225	31429	33.886	ug/l	97
95) Naphthalene	13.780	128	387651	41.814	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	102848	39.419	ug/l	98

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

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