

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031559.D
 Acq On : 22 Sep 2022 09:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2022
 Supervised By : Mahesh Dadoda 09/23/2022

Quant Time: Sep 22 10:16:25 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	5.550	168	47073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	73100	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	84097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	42139	48.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.380%		
35) Dibromofluoromethane	5.379	113	37310	49.371	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	8.647	98	136377	46.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.660%		
62) 4-Bromofluorobenzene	11.079	95	49337	50.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	35964	53.138	ug/l	94
3) Chloromethane	1.288	50	41017	45.682	ug/l	98
4) Vinyl Chloride	1.374	62	51041	49.853	ug/l	100
5) Bromomethane	1.611	94	99223	68.063	ug/l	98
6) Chloroethane	1.685	64	71396	82.435	ug/l	99
7) Trichlorofluoromethane	1.886	101	110428	47.551	ug/l	99
8) Diethyl Ether	2.136	74	36490	45.622	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	35772	47.196	ug/l	92
10) Methyl Iodide	2.447	142	42472	57.917	ug/l	100
11) Tert butyl alcohol	3.001	59	44729m	244.835	ug/l	
12) 1,1-Dichloroethene	2.319	96	34348	46.878	ug/l	89
13) Acrolein	2.239	56	17129	179.483	ug/l	99
14) Allyl chloride	2.660	41	48220	40.356	ug/l	91
15) Acrylonitrile	3.068	53	106206	233.780	ug/l	100
16) Acetone	2.392	43	90030	264.474	ug/l	97
17) Carbon Disulfide	2.508	76	83006	42.045	ug/l	100
18) Methyl Acetate	2.709	43	57685	44.716	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	126207	47.626	ug/l	100
20) Methylene Chloride	2.788	84	39249	50.936	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	39017	47.156	ug/l	94
22) Diisopropyl ether	3.757	45	122549	47.362	ug/l #	84
23) Vinyl Acetate	3.721	43	522141	235.962	ug/l	97
24) 1,1-Dichloroethane	3.605	63	67554	46.199	ug/l	98
25) 2-Butanone	4.562	43	148893	223.399	ug/l	97
26) 2,2-Dichloropropane	4.477	77	29746	23.030	ug/l	87
27) cis-1,2-Dichloroethene	4.489	96	46217	46.346	ug/l	86
28) Bromochloromethane	4.897	49	30476	52.172	ug/l	88
29) Tetrahydrofuran	5.013	42	98899	227.538	ug/l	94
30) Chloroform	5.092	83	77976	48.622	ug/l	97
31) Cyclohexane	5.470	56	58578	45.749	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	67021	46.010	ug/l	99
36) 1,1-Dichloropropene	5.690	75	54331	46.758	ug/l	98
37) Ethyl Acetate	4.714	43	61058	44.048	ug/l	98
38) Carbon Tetrachloride	5.678	117	60379	46.880	ug/l	95
39) Methylcyclohexane	7.379	83	62640	43.814	ug/l	94
40) Benzene	6.037	78	163905	47.283	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	31355	45.431	ug/l	95
42) 1,2-Dichloroethane	6.086	62	59269	46.387	ug/l	98
43) Isopropyl Acetate	6.342	43	99539	46.721	ug/l	99
44) Trichloroethene	7.129	130	45635	46.430	ug/l	85
45) 1,2-Dichloropropane	7.427	63	40156	46.083	ug/l	95
46) Dibromomethane	7.580	93	31308	46.677	ug/l	92
47) Bromodichloromethane	7.824	83	59755	47.384	ug/l	99
48) Methyl methacrylate	7.696	41	45222	46.461	ug/l	91
49) 1,4-Dioxane	7.696	88	21503	967.374	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	329938	240.772	ug/l	100
52) Toluene	8.720	92	111192	49.182	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	58596	44.902	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	61065	42.786	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	45964	49.341	ug/l	98
56) Ethyl methacrylate	9.116	69	66597	50.264	ug/l	94
57) 1,3-Dichloropropane	9.311	76	73671	48.191	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	118484	215.813	ug/l	94
59) 2-Hexanone	9.433	43	249449	242.383	ug/l	99
60) Dibromochloromethane	9.518	129	50471	51.021	ug/l	99
61) 1,2-Dibromoethane	9.610	107	50722	50.541	ug/l	100
64) Tetrachloroethene	9.275	164	45910	45.450	ug/l	95
65) Chlorobenzene	10.079	112	123471	47.610	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	45822	48.971	ug/l	98
67) Ethyl Benzene	10.195	91	215704	47.108	ug/l	99
68) m/p-Xylenes	10.299	106	178019	96.743	ug/l	96
69) o-Xylene	10.640	106	85493	48.676	ug/l	97
70) Styrene	10.659	104	144501	49.969	ug/l	97
71) Bromoform	10.799	173	35933	47.997	ug/l #	100
73) Isopropylbenzene	10.963	105	227680	44.388	ug/l	99
74) N-amyl acetate	10.841	43	93229	44.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	73368	52.598	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	63890m	41.676	ug/l	
77) Bromobenzene	11.201	156	57175	45.227	ug/l	89
78) n-propylbenzene	11.305	91	265231	44.946	ug/l	100
79) 2-Chlorotoluene	11.366	91	155036	44.139	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	201417	46.271	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	16927	35.552	ug/l	93
82) 4-Chlorotoluene	11.457	91	191652	46.494	ug/l	100
83) tert-Butylbenzene	11.713	119	195174	46.261	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	196726	45.889	ug/l	98
85) sec-Butylbenzene	11.890	105	245146	45.914	ug/l	100
86) p-Isopropyltoluene	12.012	119	216519	48.023	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	108798	44.901	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	116470	46.084	ug/l	97
89) n-Butylbenzene	12.335	91	178836	46.565	ug/l	99
90) Hexachloroethane	12.542	117	35570	45.914	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	112201	45.983	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15181	43.073	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	62096	46.185	ug/l	98
94) Hexachlorobutadiene	13.725	225	22742	49.576	ug/l	97
95) Naphthalene	13.780	128	229288	46.565	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	65037	46.932	ug/l	97

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

