

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092722\
 Data File : VX031688.D
 Acq On : 27 Sep 2022 08:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/28/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 06:26:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	114042	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77246	47.705	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.400%		
35) Dibromofluoromethane	5.385	113	66031	48.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.180%		
50) Toluene-d8	8.647	98	247913	50.324	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.640%		
62) 4-Bromofluorobenzene	11.079	95	100126	55.453	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	38909	41.905	ug/l	97
3) Chloromethane	1.288	50	41430	50.578	ug/l	98
4) Vinyl Chloride	1.374	62	53480	41.853	ug/l	97
5) Bromomethane	1.611	94	59482	52.149	ug/l	99
6) Chloroethane	1.685	64	65603	42.982	ug/l	98
7) Trichlorofluoromethane	1.886	101	135425	42.955	ug/l	100
8) Diethyl Ether	2.130	74	43182	48.021	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.325	101	45397	44.764	ug/l	93
10) Methyl Iodide	2.447	142	51313	51.620	ug/l	99
11) Tert butyl alcohol	2.995	59	50188	240.156	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	39460	50.706	ug/l	88
13) Acrolein	2.239	56	23312	239.858	ug/l	100
14) Allyl chloride	2.660	41	62684	46.979	ug/l	93
15) Acrylonitrile	3.068	53	128846	229.277	ug/l	99
16) Acetone	2.392	43	105914	285.168	ug/l	95
17) Carbon Disulfide	2.508	76	82478	48.461	ug/l	99
18) Methyl Acetate	2.703	43	64712	44.473	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	175518	48.735	ug/l	99
20) Methylene Chloride	2.788	84	51049	49.849	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	52891	47.176	ug/l	92
22) Diisopropyl ether	3.757	45	160509	46.741	ug/l #	92
23) Vinyl Acetate	3.721	43	652695	240.328	ug/l #	93
24) 1,1-Dichloroethane	3.605	63	94614	47.790	ug/l	98
25) 2-Butanone	4.562	43	182652	236.318	ug/l #	89
26) 2,2-Dichloropropane	4.471	77	85964	53.497	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	67301	49.015	ug/l	89
28) Bromochloromethane	4.897	49	43743	47.232	ug/l #	75
29) Tetrahydrofuran	5.007	42	111571	229.787	ug/l #	85
30) Chloroform	5.093	83	118888	48.814	ug/l	99
31) Cyclohexane	5.471	56	76677	49.803	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	106262	52.678	ug/l	97
36) 1,1-Dichloropropene	5.690	75	78075	50.031	ug/l	97
37) Ethyl Acetate	4.715	43	72330	45.952	ug/l	96
38) Carbon Tetrachloride	5.678	117	92598	52.652	ug/l	98
39) Methylcyclohexane	7.379	83	92396	51.966	ug/l	91
40) Benzene	6.037	78	233750	48.770	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38829	48.480	ug/l	90
42) 1,2-Dichloroethane	6.086	62	91981	49.622	ug/l	97
43) Isopropyl Acetate	6.342	43	118616	47.880	ug/l #	95
44) Trichloroethene	7.123	130	67854	50.123	ug/l	96
45) 1,2-Dichloropropane	7.427	63	58322	50.139	ug/l	94
46) Dibromomethane	7.580	93	46901	50.207	ug/l	93
47) Bromodichloromethane	7.818	83	90882	53.913	ug/l	98
48) Methyl methacrylate	7.690	41	55287	50.745	ug/l #	86
49) 1,4-Dioxane	7.702	88	29147	1103.965	ug/l	89
51) 4-Methyl-2-Pentanone	8.574	43	383889	244.812	ug/l	94
52) Toluene	8.720	92	168584	52.768	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	93496	48.097	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	97307	55.545	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	71003	51.619	ug/l	95
56) Ethyl methacrylate	9.116	69	95882	54.482	ug/l	91
57) 1,3-Dichloropropane	9.311	76	110116	50.550	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	223118	257.467	ug/l	90
59) 2-Hexanone	9.433	43	293372	250.751	ug/l	93
60) Dibromochloromethane	9.519	129	77676	48.415	ug/l	100
61) 1,2-Dibromoethane	9.610	107	76653	54.897	ug/l	98
64) Tetrachloroethene	9.275	164	72338	49.466	ug/l	97
65) Chlorobenzene	10.079	112	192185	50.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	72287	52.708	ug/l	99
67) Ethyl Benzene	10.195	91	333403	51.419	ug/l	98
68) m/p-Xylenes	10.305	106	272469	104.584	ug/l	97
69) o-Xylene	10.640	106	135007	53.017	ug/l	94
70) Styrene	10.653	104	224355	54.126	ug/l	98
71) Bromoform	10.799	173	55442	47.174	ug/l #	99
73) Isopropylbenzene	10.963	105	360435	49.882	ug/l	100
74) N-amyl acetate	10.842	43	111070	47.387	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	108057	47.064	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	96709m	47.744	ug/l	
77) Bromobenzene	11.201	156	87676	47.730	ug/l	93
78) n-propylbenzene	11.305	91	416558	51.806	ug/l	98
79) 2-Chlorotoluene	11.366	91	243976	49.137	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	317539	51.841	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	29436	49.473	ug/l	96
82) 4-Chlorotoluene	11.457	91	295784	51.564	ug/l	97
83) tert-Butylbenzene	11.713	119	302610	51.231	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	318018	52.453	ug/l	98
85) sec-Butylbenzene	11.890	105	390940	52.079	ug/l	99
86) p-Isopropyltoluene	12.012	119	341016	52.679	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	179866	50.509	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	188319	50.521	ug/l	98
89) n-Butylbenzene	12.335	91	283648	53.639	ug/l	99
90) Hexachloroethane	12.542	117	54768	52.761	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	179658	50.378	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	23627	51.356	ug/l	86
93) 1,2,4-Trichlorobenzene	13.591	180	106035	50.844	ug/l	97
94) Hexachlorobutadiene	13.725	225	41144	50.594	ug/l	97
95) Naphthalene	13.774	128	367603	52.770	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106775	49.887	ug/l	99

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

