

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090623\
 Data File : VX037568.D
 Acq On : 06 Sep 2023 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/07/2023
 Supervised By : Mahesh Dadoda 09/07/2023

Quant Time: Sep 06 22:49:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89878	50.780	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.560%			
35) Dibromofluoromethane	5.385	113	81979	57.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.280%			
50) Toluene-d8	8.653	98	282420	54.744	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.480%			
62) 4-Bromofluorobenzene	11.079	95	114899	56.673	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64529	45.248	ug/l	99
3) Chloromethane	1.307	50	62503	50.097	ug/l	96
4) Vinyl Chloride	1.374	62	70387	51.829	ug/l	99
5) Bromomethane	1.599	94	27711	40.964	ug/l	98
6) Chloroethane	1.672	64	36194	45.290	ug/l	99
7) Trichlorofluoromethane	1.880	101	106355	47.808	ug/l	98
8) Diethyl Ether	2.136	74	46199	53.678	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	65771	50.679	ug/l	94
10) Methyl Iodide	2.447	142	78876	50.007	ug/l	91
11) Tert butyl alcohol	2.971	59	114899	276.739	ug/l #	94
12) 1,1-Dichloroethene	2.313	96	64874	51.333	ug/l	86
13) Acrolein	2.239	56	97664	309.208	ug/l	99
14) Allyl chloride	2.660	41	95151	48.643	ug/l #	87
15) Acrylonitrile	3.068	53	231199	311.984	ug/l	98
16) Acetone	2.386	43	184321	266.198	ug/l #	83
17) Carbon Disulfide	2.508	76	128381	39.936	ug/l	100
18) Methyl Acetate	2.703	43	149205	57.230	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	256352	53.484	ug/l	98
20) Methylene Chloride	2.788	84	82313	53.158	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	71692	49.902	ug/l	87
22) Diisopropyl ether	3.763	45	216654	53.974	ug/l #	84
23) Vinyl Acetate	3.721	43	807598	262.547	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	136257	54.131	ug/l	96
25) 2-Butanone	4.562	43	296820	284.698	ug/l #	84
26) 2,2-Dichloropropane	4.477	77	72896	32.427	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	91644	54.110	ug/l	82
28) Bromochloromethane	4.897	49	61680	54.852	ug/l #	69
29) Tetrahydrofuran	5.007	42	184728	277.835	ug/l #	80
30) Chloroform	5.092	83	150376	53.218	ug/l	98
31) Cyclohexane	5.470	56	97620	49.051	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	130236	51.433	ug/l	95
36) 1,1-Dichloropropene	5.696	75	95789	47.406	ug/l	95
37) Ethyl Acetate	4.721	43	111262	53.905	ug/l #	91
38) Carbon Tetrachloride	5.678	117	109135	49.722	ug/l	99
39) Methylcyclohexane	7.379	83	112128	52.818	ug/l	89
40) Benzene	6.037	78	310839	53.639	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	59838	55.767	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	110635	48.683	ug/l	93
43) Isopropyl Acetate	6.342	43	171685	52.392	ug/l #	88
44) Trichloroethene	7.129	130	83052	50.542	ug/l	97
45) 1,2-Dichloropropane	7.434	63	79871	55.897	ug/l	97
46) Dibromomethane	7.580	93	60448	53.700	ug/l	92
47) Bromodichloromethane	7.824	83	117045	54.287	ug/l	97
48) Methyl methacrylate	7.696	41	83724	52.390	ug/l #	79
49) 1,4-Dioxane	7.659	88	52328	1215.816	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	572941	287.933	ug/l #	87
52) Toluene	8.720	92	205495	53.669	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	113893	49.612	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	126422	50.960	ug/l #	82
55) 1,1,2-Trichloroethane	9.153	97	92126	59.088	ug/l	98
56) Ethyl methacrylate	9.116	69	138182	56.582	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	148700	56.576	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	304245	259.602	ug/l	91
59) 2-Hexanone	9.433	43	438599	289.083	ug/l	84
60) Dibromochloromethane	9.525	129	95474	57.515	ug/l	100
61) 1,2-Dibromoethane	9.610	107	95542	55.969	ug/l	99
64) Tetrachloroethene	9.275	164	68471	46.626	ug/l	98
65) Chlorobenzene	10.079	112	226059	53.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	89099	56.741	ug/l	100
67) Ethyl Benzene	10.195	91	393102	52.508	ug/l	100
68) m/p-Xylenes	10.305	106	309438	107.031	ug/l	95
69) o-Xylene	10.640	106	155256	54.430	ug/l	97
70) Styrene	10.659	104	260930	55.534	ug/l	96
71) Bromoform	10.799	173	69805	59.429	ug/l #	99
73) Isopropylbenzene	10.963	105	403508	53.768	ug/l	98
74) N-amyl acetate	10.841	43	151742	52.037	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	148155	58.620	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	118241m	53.774	ug/l	
77) Bromobenzene	11.195	156	99959	54.538	ug/l	89
78) n-propylbenzene	11.305	91	443947	53.126	ug/l	98
79) 2-Chlorotoluene	11.366	91	282208	52.846	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	343609	54.888	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	37145	47.182	ug/l	84
82) 4-Chlorotoluene	11.457	91	316837	51.398	ug/l	98
83) tert-Butylbenzene	11.713	119	353336	59.182	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	342463	54.128	ug/l	95
85) sec-Butylbenzene	11.890	105	423469	60.725	ug/l	99
86) p-Isopropyltoluene	12.012	119	354030	58.973	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	181991	53.036	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	179571	50.651	ug/l	98
89) n-Butylbenzene	12.335	91	284164	57.094	ug/l	98
90) Hexachloroethane	12.542	117	63253	63.127	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	186005	55.356	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32099	54.659	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	108465	55.168	ug/l	97
94) Hexachlorobutadiene	13.725	225	47380	62.379	ug/l	99
95) Naphthalene	13.774	128	415212	48.212	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	112655	57.673	ug/l	98

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

