

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037709.D
 Acq On : 14 Sep 2023 02:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 05:28:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	167652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	315278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151189	55.738	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.480%			
35) Dibromofluoromethane	5.385	113	124136	55.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.100%			
50) Toluene-d8	8.647	98	415539	49.304	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.600%			
62) 4-Bromofluorobenzene	11.079	95	156752	51.552	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71378	38.833	ug/l	99
3) Chloromethane	1.300	50	110156	52.606	ug/l	96
4) Vinyl Chloride	1.374	62	108486	46.055	ug/l	99
5) Bromomethane	1.599	94	87364	44.340	ug/l	96
6) Chloroethane	1.672	64	76696	47.354	ug/l	98
7) Trichlorofluoromethane	1.880	101	160208	41.108	ug/l	100
8) Diethyl Ether	2.136	74	85702	55.409	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	68294	39.091	ug/l	97
10) Methyl Iodide	2.453	142	132926	64.427	ug/l	93
11) Tert butyl alcohol	2.971	59	178516	321.017	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	83816	48.593	ug/l	87
13) Acrolein	2.239	56	125268	282.656	ug/l	99
14) Allyl chloride	2.660	41	160943	53.263	ug/l	96
15) Acrylonitrile	3.062	53	364171	292.751	ug/l	99
16) Acetone	2.380	43	305906	278.954	ug/l	91
17) Carbon Disulfide	2.508	76	188065	42.890	ug/l	100
18) Methyl Acetate	2.703	43	281883	60.868	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	410967	60.352	ug/l	99
20) Methylene Chloride	2.788	84	129955	61.585	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	102497	51.650	ug/l	89
22) Diisopropyl ether	3.763	45	389190	59.122	ug/l #	84
23) Vinyl Acetate	3.721	43	1400153	291.607	ug/l	97
24) 1,1-Dichloroethane	3.611	63	213914	55.765	ug/l	98
25) 2-Butanone	4.556	43	499120	279.137	ug/l	91
26) 2,2-Dichloropropane	4.477	77	103056	38.621	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	138421	57.200	ug/l	88
28) Bromochloromethane	4.897	49	113096	58.356	ug/l	87
29) Tetrahydrofuran	5.001	42	326687	286.903	ug/l	91
30) Chloroform	5.092	83	236545	57.098	ug/l	98
31) Cyclohexane	5.470	56	110319	35.319	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	177847	51.580	ug/l	98
36) 1,1-Dichloropropene	5.696	75	126964	41.764	ug/l	97
37) Ethyl Acetate	4.714	43	192997	55.483	ug/l	97
38) Carbon Tetrachloride	5.678	117	136659	44.003	ug/l	99
39) Methylcyclohexane	7.385	83	114898	31.940	ug/l	93
40) Benzene	6.037	78	480509	52.138	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	101936	55.635	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	192113	53.333	ug/l	97
43) Isopropyl Acetate	6.342	43	310682	55.984	ug/l	96
44) Trichloroethene	7.129	130	112794	48.985	ug/l	96
45) 1,2-Dichloropropane	7.427	63	132530	54.490	ug/l	100
46) Dibromomethane	7.580	93	99205	56.066	ug/l	94
47) Bromodichloromethane	7.824	83	181671	56.874	ug/l	97
48) Methyl methacrylate	7.696	41	152932	57.009	ug/l #	88
49) 1,4-Dioxane	7.659	88	81862	1231.696	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	1024998	281.286	ug/l	95
52) Toluene	8.720	92	297796	50.255	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	181049	55.906	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	196900	55.409	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	147590	59.150	ug/l	97
56) Ethyl methacrylate	9.116	69	224864	58.901	ug/l	92
57) 1,3-Dichloropropane	9.311	76	234773	56.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	533772	288.353	ug/l	99
59) 2-Hexanone	9.433	43	793780	282.206	ug/l	94
60) Dibromochloromethane	9.518	129	147332	60.113	ug/l	99
61) 1,2-Dibromoethane	9.610	107	155874	58.117	ug/l	99
64) Tetrachloroethene	9.275	164	88343	45.442	ug/l	98
65) Chlorobenzene	10.079	112	330232	51.635	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	132343	60.042	ug/l	98
67) Ethyl Benzene	10.195	91	538664	47.328	ug/l	99
68) m/p-Xylenes	10.299	106	418326	96.395	ug/l	98
69) o-Xylene	10.640	106	224847	51.967	ug/l	97
70) Styrene	10.652	104	377776	53.517	ug/l	96
71) Bromoform	10.799	173	110891	64.295	ug/l #	100
73) Isopropylbenzene	10.963	105	508648	45.537	ug/l	99
74) N-amyl acetate	10.841	43	278865	57.252	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	241137	57.688	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	189652m	57.821	ug/l	
77) Bromobenzene	11.195	156	150181	56.734	ug/l	90
78) n-propylbenzene	11.305	91	565721	44.021	ug/l	100
79) 2-Chlorotoluene	11.366	91	387445	48.978	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	448591	47.785	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	59160	54.826	ug/l	91
82) 4-Chlorotoluene	11.451	91	438680	48.546	ug/l	96
83) tert-Butylbenzene	11.713	119	424170	44.977	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	464306	49.057	ug/l	98
85) sec-Butylbenzene	11.890	105	492550	42.304	ug/l	100
86) p-Isopropyltoluene	12.006	119	417016	43.709	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	257732	50.708	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	263592	50.461	ug/l	98
89) n-Butylbenzene	12.335	91	346769	40.131	ug/l	97
90) Hexachloroethane	12.536	117	76426	47.471	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	275974	54.270	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	49268	57.401	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	157979	52.164	ug/l	96
94) Hexachlorobutadiene	13.725	225	51499	40.708	ug/l	99
95) Naphthalene	13.774	128	630867	57.507	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	168317	54.168	ug/l	99

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

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