

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092123\
 Data File : VX037861.D
 Acq On : 21 Sep 2023 17:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2023
 Supervised By : Mahesh Dadoda 09/22/2023

Quant Time: Sep 22 04:47:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	226683	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	373274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207138	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151661	50.923	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.840%	
35) Dibromofluoromethane	5.391	113	130624	52.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.600%	
50) Toluene-d8	8.647	98	478404	51.552	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.100%	
62) 4-Bromofluorobenzene	11.079	95	188573	55.920	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.840%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	108549	45.431	ug/l	97
3) Chloromethane	1.301	50	114911	44.202	ug/l	98
4) Vinyl Chloride	1.374	62	129294	46.101	ug/l	99
5) Bromomethane	1.599	94	100922	50.265	ug/l	99
6) Chloroethane	1.685	64	86512	44.776	ug/l	96
7) Trichlorofluoromethane	1.886	101	217974	48.343	ug/l	99
8) Diethyl Ether	2.136	74	83521	47.812	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	112507	49.167	ug/l	95
10) Methyl Iodide	2.453	142	137265	45.329	ug/l	93
11) Tert butyl alcohol	2.959	59	134074	209.727	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	106966	48.368	ug/l	85
13) Acrolein	2.233	56	150112	237.689	ug/l	99
14) Allyl chloride	2.666	41	169320	45.970	ug/l #	96
15) Acrylonitrile	3.062	53	333811	234.855	ug/l	99
16) Acetone	2.380	43	280321	195.655	ug/l	91
17) Carbon Disulfide	2.514	76	237243	42.788	ug/l	99
18) Methyl Acetate	2.703	43	244303	47.268	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	393319	48.348	ug/l	97
20) Methylene Chloride	2.788	84	132777	50.127	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	118944	48.436	ug/l	88
22) Diisopropyl ether	3.764	45	374968	48.874	ug/l	86
23) Vinyl Acetate	3.721	43	1367616	242.343	ug/l	95
24) 1,1-Dichloroethane	3.611	63	221624	48.205	ug/l	97
25) 2-Butanone	4.556	43	442685	218.954	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	174588	46.997	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	147110	48.865	ug/l	89
28) Bromochloromethane	4.897	49	100093	46.667	ug/l #	80
29) Tetrahydrofuran	5.007	42	283360	225.317	ug/l	88
30) Chloroform	5.099	83	243591	49.184	ug/l	100
31) Cyclohexane	5.471	56	179052	46.840	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	207119	49.390	ug/l	98
36) 1,1-Dichloropropene	5.696	75	169021	49.126	ug/l	96
37) Ethyl Acetate	4.715	43	176215	46.588	ug/l	96
38) Carbon Tetrachloride	5.684	117	179487	49.859	ug/l	98
39) Methylcyclohexane	7.385	83	210838	48.283	ug/l	91
40) Benzene	6.044	78	512374	48.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	91592	47.491	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	187261	48.970	ug/l	96
43) Isopropyl Acetate	6.342	43	288522	47.705	ug/l #	95
44) Trichloroethene	7.129	130	140667	47.741	ug/l	93
45) 1,2-Dichloropropane	7.434	63	133537	48.601	ug/l	99
46) Dibromomethane	7.580	93	99028	50.103	ug/l	92
47) Bromodichloromethane	7.824	83	185454	50.947	ug/l	97
48) Methyl methacrylate	7.696	41	137848	47.678	ug/l #	86
49) 1,4-Dioxane	7.659	88	68168	899.337	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	908716	236.813	ug/l	94
52) Toluene	8.720	92	334170	49.008	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	198706	52.207	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	213467	50.676	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	145764	50.703	ug/l	95
56) Ethyl methacrylate	9.116	69	216087	50.349	ug/l	90
57) 1,3-Dichloropropane	9.311	76	232324	49.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	488785	243.897	ug/l	98
59) 2-Hexanone	9.433	43	699723	234.201	ug/l	93
60) Dibromochloromethane	9.525	129	150097	52.410	ug/l	99
61) 1,2-Dibromoethane	9.610	107	155598	51.119	ug/l	100
64) Tetrachloroethene	9.275	164	117443	47.544	ug/l	98
65) Chlorobenzene	10.079	112	369893	47.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	137149	49.535	ug/l	98
67) Ethyl Benzene	10.195	91	657455	48.537	ug/l	99
68) m/p-Xylenes	10.305	106	512897	97.990	ug/l	98
69) o-Xylene	10.640	106	252119	48.034	ug/l	98
70) Styrene	10.653	104	432048	51.274	ug/l	96
71) Bromoform	10.799	173	114037	52.138	ug/l #	100
73) Isopropylbenzene	10.963	105	671014	44.155	ug/l	98
74) N-amyl acetate	10.842	43	272773	44.321	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	237402	44.419	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	208098m	43.436	ug/l	
77) Bromobenzene	11.195	156	171020	45.468	ug/l	88
78) n-propylbenzene	11.305	91	796951	46.436	ug/l	99
79) 2-Chlorotoluene	11.366	91	467824	44.209	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	581776	45.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	67267	44.977	ug/l	89
82) 4-Chlorotoluene	11.457	91	549827	46.152	ug/l	96
83) tert-Butylbenzene	11.713	119	592940	45.714	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	581614	45.550	ug/l	97
85) sec-Butylbenzene	11.890	105	739991	47.026	ug/l	99
86) p-Isopropyltoluene	12.012	119	627137	47.835	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	331360	47.260	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	333139	46.432	ug/l	97
89) n-Butylbenzene	12.335	91	589381	51.317	ug/l	97
90) Hexachloroethane	12.536	117	105212	47.364	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	330276	46.137	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	49076	46.065	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	223925	53.103	ug/l	97
94) Hexachlorobutadiene	13.725	225	100866	51.222	ug/l	97
95) Naphthalene	13.774	128	704554	49.404	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	217583	50.140	ug/l	98

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

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