

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092923\
 Data File : VX037989.D
 Acq On : 29 Sep 2023 20:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2023
 Supervised By : Mahesh Dadoda 10/02/2023

Quant Time: Sep 29 23:11:48 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	224333	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	367468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	356934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146606	49.741	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.480%		
35) Dibromofluoromethane	5.385	113	131702	53.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.120%		
50) Toluene-d8	8.647	98	472482	51.718	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.440%		
62) 4-Bromofluorobenzene	11.079	95	188369	56.742	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	92730	39.217	ug/l	99
3) Chloromethane	1.294	50	111241	43.239	ug/l	99
4) Vinyl Chloride	1.374	62	126735	45.662	ug/l	95
5) Bromomethane	1.599	94	97782	49.211	ug/l	98
6) Chloroethane	1.685	64	89903	47.018	ug/l	97
7) Trichlorofluoromethane	1.886	101	223492	50.086	ug/l	99
8) Diethyl Ether	2.136	74	84365	48.801	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	114714	50.657	ug/l	94
10) Methyl Iodide	2.453	142	152482	50.881	ug/l	91
11) Tert butyl alcohol	2.959	59	134710	212.929	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	111744	51.058	ug/l	84
13) Acrolein	2.233	56	103804	166.086	ug/l	99
14) Allyl chloride	2.666	41	172066	47.205	ug/l	# 95
15) Acrylonitrile	3.062	53	334932	238.112	ug/l	99
16) Acetone	2.380	43	265279	187.096	ug/l	# 89
17) Carbon Disulfide	2.514	76	271249	49.433	ug/l	99
18) Methyl Acetate	2.703	43	236896	46.315	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	399649	49.640	ug/l	98
20) Methylene Chloride	2.788	84	135667	51.755	ug/l	# 87
21) trans-1,2-Dichloroethene	3.093	96	130143	53.552	ug/l	88
22) Diisopropyl ether	3.764	45	377245	49.685	ug/l	# 84
23) Vinyl Acetate	3.721	43	1380948	247.269	ug/l	96
24) 1,1-Dichloroethane	3.611	63	225950	49.661	ug/l	98
25) 2-Butanone	4.556	43	435131	217.473	ug/l	91
26) 2,2-Dichloropropane	4.477	77	164586	44.769	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	154491	51.854	ug/l	87
28) Bromochloromethane	4.897	49	90193	42.492	ug/l	# 78
29) Tetrahydrofuran	5.001	42	282623	227.085	ug/l	# 87
30) Chloroform	5.099	83	250877	51.186	ug/l	97
31) Cyclohexane	5.471	56	191845	50.713	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	219668	52.931	ug/l	97
36) 1,1-Dichloropropene	5.696	75	178349	52.656	ug/l	95
37) Ethyl Acetate	4.715	43	176106	47.295	ug/l	96
38) Carbon Tetrachloride	5.678	117	191060	53.912	ug/l	98
39) Methylcyclohexane	7.385	83	226417	52.670	ug/l	90
40) Benzene	6.038	78	537501	51.605	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	91945	48.427	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	191518	50.874	ug/l	96
43) Isopropyl Acetate	6.342	43	286981	48.200	ug/l #	95
44) Trichloroethene	7.129	130	149012	51.373	ug/l	95
45) 1,2-Dichloropropane	7.428	63	137872	50.971	ug/l	99
46) Dibromomethane	7.586	93	103179	53.028	ug/l	90
47) Bromodichloromethane	7.824	83	190899	53.272	ug/l	96
48) Methyl methacrylate	7.696	41	139026	48.845	ug/l #	87
49) 1,4-Dioxane	7.659	88	69450	930.727	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	912287	241.500	ug/l	94
52) Toluene	8.720	92	360343	53.681	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	204448	54.564	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	221143	53.328	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	153253	54.150	ug/l	96
56) Ethyl methacrylate	9.116	69	220248	52.129	ug/l	89
57) 1,3-Dichloropropane	9.311	76	239626	52.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	393029	199.215	ug/l	97
59) 2-Hexanone	9.427	43	701902	238.642	ug/l	92
60) Dibromochloromethane	9.525	129	158296	56.146	ug/l	100
61) 1,2-Dibromoethane	9.610	107	164979	55.058	ug/l	100
64) Tetrachloroethene	9.275	164	131135	53.871	ug/l	98
65) Chlorobenzene	10.079	112	403071	52.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	148820	54.544	ug/l	100
67) Ethyl Benzene	10.195	91	712094	53.347	ug/l	98
68) m/p-Xylenes	10.299	106	557659	108.116	ug/l	96
69) o-Xylene	10.640	106	272436	52.672	ug/l	96
70) Styrene	10.659	104	463222	55.786	ug/l	95
71) Bromoform	10.799	173	117941	54.720	ug/l #	99
73) Isopropylbenzene	10.963	105	723211	47.394	ug/l	98
74) N-amyl acetate	10.842	43	277164	44.849	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	245408	45.728	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	214498m	44.587	ug/l	
77) Bromobenzene	11.201	156	182255	48.255	ug/l	87
78) n-propylbenzene	11.305	91	859005	49.845	ug/l	98
79) 2-Chlorotoluene	11.366	91	499523	47.010	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	625627	48.548	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	64977	43.267	ug/l	89
82) 4-Chlorotoluene	11.451	91	589184	49.251	ug/l	94
83) tert-Butylbenzene	11.713	119	621984	47.756	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	626781	48.884	ug/l	97
85) sec-Butylbenzene	11.890	105	796479	50.407	ug/l	98
86) p-Isopropyltoluene	12.012	119	674737	51.254	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	359955	51.126	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	368857	51.198	ug/l	97
89) n-Butylbenzene	12.335	91	627264	54.390	ug/l	97
90) Hexachloroethane	12.536	117	110980	49.755	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	358088	49.816	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	50043	46.779	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	242767	57.334	ug/l	96
94) Hexachlorobutadiene	13.725	225	105832	53.522	ug/l	99
95) Naphthalene	13.774	128	748205	52.248	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	238016	54.623	ug/l	98

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

