

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037939.D
 Acq On : 28 Sep 2023 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2023
 Supervised By : Semsettin Yesilyurt 09/29/2023

Quant Time: Sep 29 05:45:50 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	5.550	168	254715	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	401157	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	155971	46.606	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.220%		
35) Dibromofluoromethane	5.385	113	140336	52.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.560%		
50) Toluene-d8	8.647	98	515813	51.719	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.440%		
62) 4-Bromofluorobenzene	11.079	95	200982	55.457	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	123665	46.062	ug/l	97
3) Chloromethane	1.294	50	130186	44.567	ug/l	99
4) Vinyl Chloride	1.374	62	148471	47.112	ug/l	99
5) Bromomethane	1.599	94	110607	49.026	ug/l	100
6) Chloroethane	1.679	64	100165	46.137	ug/l	100
7) Trichlorofluoromethane	1.886	101	250692	49.480	ug/l	99
8) Diethyl Ether	2.130	74	91990	46.865	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	128435	49.951	ug/l	95
10) Methyl Iodide	2.453	142	168822	49.614	ug/l	91
11) Tert butyl alcohol	2.953	59	159095	221.478	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	123525	49.709	ug/l	83
13) Acrolein	2.233	56	127022	178.993	ug/l	99
14) Allyl chloride	2.660	41	192067	46.407	ug/l #	95
15) Acrylonitrile	3.062	53	354919	222.225	ug/l	99
16) Acetone	2.374	43	343467	213.346	ug/l #	88
17) Carbon Disulfide	2.508	76	306279	49.159	ug/l	99
18) Methyl Acetate	2.703	43	256032	44.086	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	429935	47.033	ug/l	99
20) Methylene Chloride	2.788	84	142931	48.021	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	136970	49.639	ug/l	89
22) Diisopropyl ether	3.757	45	406343	47.134	ug/l #	90
23) Vinyl Acetate	3.721	43	1522021	240.022	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	242388	46.919	ug/l	99
25) 2-Butanone	4.550	43	492297	216.696	ug/l	91
26) 2,2-Dichloropropane	4.471	77	205339	49.192	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	166199	49.130	ug/l	88
28) Bromochloromethane	4.891	49	101249	42.011	ug/l #	78
29) Tetrahydrofuran	5.001	42	309968	219.349	ug/l	88
30) Chloroform	5.093	83	265520	47.711	ug/l	94
31) Cyclohexane	5.471	56	209787	48.841	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	234044	49.669	ug/l	97
36) 1,1-Dichloropropene	5.690	75	194446	52.588	ug/l	97
37) Ethyl Acetate	4.708	43	186357	45.845	ug/l	96
38) Carbon Tetrachloride	5.678	117	206438	53.360	ug/l	98
39) Methylcyclohexane	7.379	83	250782	53.439	ug/l	92
40) Benzene	6.038	78	572532	50.352	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	96875	46.739	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	201200	48.958	ug/l	96
43) Isopropyl Acetate	6.336	43	315129	48.482	ug/l #	95
44) Trichloroethene	7.123	130	159910	50.500	ug/l	99
45) 1,2-Dichloropropane	7.428	63	146234	49.523	ug/l	98
46) Dibromomethane	7.580	93	110278	51.917	ug/l	92
47) Bromodichloromethane	7.824	83	207030	52.922	ug/l	99
48) Methyl methacrylate	7.690	41	151427	48.734	ug/l #	87
49) 1,4-Dioxane	7.653	88	81517	1000.699	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	979608	237.543	ug/l	94
52) Toluene	8.720	92	380009	51.857	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	227917	55.719	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	243651	53.821	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	159187	51.523	ug/l	98
56) Ethyl methacrylate	9.116	69	237002	51.384	ug/l	90
57) 1,3-Dichloropropane	9.305	76	252100	50.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	466701	216.691	ug/l	97
59) 2-Hexanone	9.427	43	768261	239.268	ug/l	93
60) Dibromochloromethane	9.519	129	169241	54.987	ug/l	100
61) 1,2-Dibromoethane	9.610	107	171915	52.554	ug/l	100
64) Tetrachloroethene	9.275	164	136897	51.991	ug/l	97
65) Chlorobenzene	10.079	112	419548	50.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	157417	53.338	ug/l	100
67) Ethyl Benzene	10.195	91	752975	52.150	ug/l	99
68) m/p-Xylenes	10.299	106	594075	106.478	ug/l	95
69) o-Xylene	10.640	106	289131	51.678	ug/l	96
70) Styrene	10.653	104	486993	54.219	ug/l	95
71) Bromoform	10.799	173	128682	55.194	ug/l #	100
73) Isopropylbenzene	10.963	105	767498	47.186	ug/l	98
74) N-amyl acetate	10.842	43	301650	45.793	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	255113	44.597	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	231473m	45.141	ug/l	
77) Bromobenzene	11.195	156	191111	47.471	ug/l	87
78) n-propylbenzene	11.305	91	910020	49.540	ug/l	99
79) 2-Chlorotoluene	11.366	91	527683	46.589	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	660718	48.101	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	77127	48.181	ug/l	89
82) 4-Chlorotoluene	11.451	91	628923	49.322	ug/l	96
83) tert-Butylbenzene	11.713	119	657471	47.359	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	662918	48.506	ug/l	97
85) sec-Butylbenzene	11.890	105	846888	50.283	ug/l	99
86) p-Isopropyltoluene	12.006	119	717977	51.166	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	378514	50.438	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	384360	50.051	ug/l	98
89) n-Butylbenzene	12.329	91	678489	55.194	ug/l	97
90) Hexachloroethane	12.536	117	120830	50.821	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	369714	48.253	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	53725	47.115	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	261521	57.944	ug/l	96
94) Hexachlorobutadiene	13.725	225	118794	56.363	ug/l	98
95) Naphthalene	13.774	128	779724	51.082	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	248113	53.419	ug/l	97

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

