

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092023\
 Data File : VX037819.D
 Acq On : 20 Sep 2023 09:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2023
 Supervised By : Mahesh Dadoda 09/21/2023

Quant Time: Sep 21 05:50:58 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	277859	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	441756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	422791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	242969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	149872	41.054	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.100%		
35) Dibromofluoromethane	5.385	113	128846	43.591	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.180%		
50) Toluene-d8	8.647	98	485756	44.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.460%#		
62) 4-Bromofluorobenzene	11.079	95	188041	47.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	121702	41.555	ug/l	100
3) Chloromethane	1.295	50	129448	40.623	ug/l	99
4) Vinyl Chloride	1.374	62	142788	41.535	ug/l	99
5) Bromomethane	1.599	94	149902	60.909	ug/l	100
6) Chloroethane	1.685	64	95019	40.121	ug/l	98
7) Trichlorofluoromethane	1.886	101	240302	43.479	ug/l	99
8) Diethyl Ether	2.130	74	88491	41.327	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	123370	43.984	ug/l	96
10) Methyl Iodide	2.453	142	149622	40.309	ug/l	92
11) Tert butyl alcohol	2.959	59	144332	184.191	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	115321	42.542	ug/l	89
13) Acrolein	2.233	56	165069	213.233	ug/l	98
14) Allyl chloride	2.666	41	187151	41.453	ug/l	# 95
15) Acrylonitrile	3.063	53	350355	201.096	ug/l	99
16) Acetone	2.374	43	370490	210.963	ug/l	# 89
17) Carbon Disulfide	2.514	76	275529	40.540	ug/l	100
18) Methyl Acetate	2.703	43	255835	40.383	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	421016	42.221	ug/l	99
20) Methylene Chloride	2.788	84	141248	43.500	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	131441	43.667	ug/l	89
22) Diisopropyl ether	3.757	45	404798	43.044	ug/l	89
23) Vinyl Acetate	3.721	43	1501120	217.008	ug/l	95
24) 1,1-Dichloroethane	3.605	63	238997	42.409	ug/l	99
25) 2-Butanone	4.550	43	502336	202.697	ug/l	91
26) 2,2-Dichloropropane	4.477	77	200071	43.937	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	158291	42.895	ug/l	90
28) Bromochloromethane	4.898	49	111247	42.315	ug/l	# 83
29) Tetrahydrofuran	5.001	42	302279	196.091	ug/l	90
30) Chloroform	5.093	83	261038	42.999	ug/l	95
31) Cyclohexane	5.471	56	203927	43.522	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	227416	44.242	ug/l	98
36) 1,1-Dichloropropene	5.690	75	184648	45.348	ug/l	95
37) Ethyl Acetate	4.709	43	187119	41.802	ug/l	97
38) Carbon Tetrachloride	5.678	117	197139	46.273	ug/l	98
39) Methylcyclohexane	7.379	83	238894	46.227	ug/l	93
40) Benzene	6.038	78	556961	44.481	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	99425	43.561	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	201887	44.610	ug/l	97
43) Isopropyl Acetate	6.336	43	309771	43.278	ug/l #	95
44) Trichloroethene	7.123	130	150663	43.207	ug/l	97
45) 1,2-Dichloropropane	7.428	63	143668	44.182	ug/l	98
46) Dibromomethane	7.580	93	108257	46.282	ug/l	94
47) Bromodichloromethane	7.818	83	201261	46.719	ug/l	98
48) Methyl methacrylate	7.690	41	149897	43.808	ug/l #	88
49) 1,4-Dioxane	7.659	88	73167	815.648	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	971137	213.847	ug/l	95
52) Toluene	8.720	92	364495	45.169	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	220184	48.882	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	236884	47.517	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	154761	45.487	ug/l	97
56) Ethyl methacrylate	9.116	69	230360	45.354	ug/l	91
57) 1,3-Dichloropropane	9.305	76	246186	44.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	514787	217.051	ug/l	98
59) 2-Hexanone	9.427	43	768444	217.330	ug/l	93
60) Dibromochloromethane	9.519	129	165421	48.806	ug/l	99
61) 1,2-Dibromoethane	9.610	107	166163	46.128	ug/l	99
64) Tetrachloroethene	9.275	164	130680	45.322	ug/l	98
65) Chlorobenzene	10.080	112	403810	44.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	152905	47.312	ug/l	99
67) Ethyl Benzene	10.195	91	723094	45.733	ug/l	98
68) m/p-Xylenes	10.299	106	568498	93.049	ug/l	97
69) o-Xylene	10.640	106	275541	44.974	ug/l	99
70) Styrene	10.653	104	471362	47.924	ug/l	96
71) Bromoform	10.799	173	125455	49.139	ug/l #	100
73) Isopropylbenzene	10.964	105	738228	41.414	ug/l	98
74) N-amyl acetate	10.842	43	297939	41.271	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	252450	40.269	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	226094m	40.233	ug/l	
77) Bromobenzene	11.195	156	185612	42.070	ug/l	88
78) n-propylbenzene	11.305	91	881946	43.810	ug/l	98
79) 2-Chlorotoluene	11.366	91	519206	41.829	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	644320	42.802	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	76028	43.338	ug/l	88
82) 4-Chlorotoluene	11.451	91	611813	43.781	ug/l	96
83) tert-Butylbenzene	11.713	119	644065	42.333	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	647182	43.210	ug/l	97
85) sec-Butylbenzene	11.890	105	831433	45.045	ug/l	99
86) p-Isopropyltoluene	12.006	119	700037	45.521	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	362590	44.087	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	370276	43.997	ug/l	98
89) n-Butylbenzene	12.329	91	657814	48.829	ug/l	98
90) Hexachloroethane	12.536	117	120220	46.139	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	362241	43.140	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	51016	40.824	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	243348	49.199	ug/l	97
94) Hexachlorobutadiene	13.725	225	110767	47.955	ug/l	99
95) Naphthalene	13.774	128	742115	44.363	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	233818	45.936	ug/l	97

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

