

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038818.D
 Acq On : 14 Nov 2023 19:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2023
 Supervised By : Mahesh Dadoda 11/15/2023

Quant Time: Nov 15 15:02:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 14 09:15:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	118523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	214628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78352	46.467	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.940%		
35) Dibromofluoromethane	5.385	113	69008	46.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.600%		
50) Toluene-d8	8.647	98	261837	47.941	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.880%		
62) 4-Bromofluorobenzene	11.079	95	110522	48.399	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64412	48.052	ug/l	97
3) Chloromethane	1.294	50	62706	45.042	ug/l	97
4) Vinyl Chloride	1.374	62	55881	45.817	ug/l	98
5) Bromomethane	1.599	94	35398	56.341	ug/l	97
6) Chloroethane	1.685	64	33577	45.627	ug/l	99
7) Trichlorofluoromethane	1.886	101	83847	46.112	ug/l	100
8) Diethyl Ether	2.130	74	30178	44.331	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	62655	47.388	ug/l	96
10) Methyl Iodide	2.453	142	84880	49.519	ug/l	89
11) Tert butyl alcohol	2.953	59	92875	215.554	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	64025	47.096	ug/l	84
13) Acrolein	2.233	56	67785	236.702	ug/l	100
14) Allyl chloride	2.666	41	116529	47.807	ug/l	89
15) Acrylonitrile	3.062	53	224315	238.929	ug/l	98
16) Acetone	2.373	43	192002	212.499	ug/l	90
17) Carbon Disulfide	2.514	76	176479	47.833	ug/l	98
18) Methyl Acetate	2.703	43	197429	47.081	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	217929	49.778	ug/l	100
20) Methylene Chloride	2.788	84	74265	43.946	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	70917	48.288	ug/l	89
22) Diisopropyl ether	3.757	45	212866	48.007	ug/l	90
23) Vinyl Acetate	3.721	43	751046	249.352	ug/l	96
24) 1,1-Dichloroethane	3.611	63	120574	47.423	ug/l	98
25) 2-Butanone	4.550	43	307361	228.908	ug/l	91
26) 2,2-Dichloropropane	4.477	77	89373	47.166	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	81508	48.546	ug/l	89
28) Bromochloromethane	4.897	49	56318	48.970	ug/l	84
29) Tetrahydrofuran	5.001	42	204650	237.505	ug/l	93
30) Chloroform	5.093	83	125226	46.819	ug/l	99
31) Cyclohexane	5.471	56	108006	47.031	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	107384	48.734	ug/l	97
36) 1,1-Dichloropropene	5.690	75	94078	45.383	ug/l	97
37) Ethyl Acetate	4.708	43	114502	48.171	ug/l #	95
38) Carbon Tetrachloride	5.678	117	91622	47.812	ug/l	97
39) Methylcyclohexane	7.379	83	117591	45.896	ug/l	96
40) Benzene	6.037	78	280649	46.622	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	60252	47.580	ug/l	92
42) 1,2-Dichloroethane	6.086	62	93795	45.691	ug/l	95
43) Isopropyl Acetate	6.336	43	173364	48.416	ug/l #	94
44) Trichloroethene	7.123	130	78230	47.770	ug/l	100
45) 1,2-Dichloropropane	7.427	63	73015	48.927	ug/l	99
46) Dibromomethane	7.580	93	51070	48.188	ug/l	96
47) Bromodichloromethane	7.818	83	94669	47.858	ug/l	100
48) Methyl methacrylate	7.690	41	89089	50.836	ug/l	87
49) 1,4-Dioxane	7.653	88	34102	957.145	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	578121	238.931	ug/l	96
52) Toluene	8.720	92	182626	49.109	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	107702	52.002	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	115551	50.128	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	74008	47.520	ug/l	96
56) Ethyl methacrylate	9.116	69	121642	50.266	ug/l	90
57) 1,3-Dichloropropane	9.305	76	120839	47.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	279244	239.631	ug/l	97
59) 2-Hexanone	9.427	43	457472	234.620	ug/l	93
60) Dibromochloromethane	9.519	129	77657	51.863	ug/l	99
61) 1,2-Dibromoethane	9.610	107	80532	48.040	ug/l	99
64) Tetrachloroethene	9.275	164	60634	48.043	ug/l	95
65) Chlorobenzene	10.079	112	197609	48.916	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	69520	50.330	ug/l	97
67) Ethyl Benzene	10.195	91	344849	48.015	ug/l	98
68) m/p-Xylenes	10.299	106	267577	97.695	ug/l	99
69) o-Xylene	10.640	106	130686	49.171	ug/l	99
70) Styrene	10.653	104	223391	50.240	ug/l	97
71) Bromoform	10.799	173	55043	51.420	ug/l #	99
73) Isopropylbenzene	10.963	105	341750	48.703	ug/l	98
74) N-amyl acetate	10.841	43	152833	52.449	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	122041	48.062	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	102576m	47.612	ug/l	
77) Bromobenzene	11.195	156	83070	49.742	ug/l	96
78) n-propylbenzene	11.305	91	403428	48.068	ug/l	99
79) 2-Chlorotoluene	11.366	91	245529	47.710	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	298004	49.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	37559	50.095	ug/l	87
82) 4-Chlorotoluene	11.451	91	286880	48.423	ug/l	98
83) tert-Butylbenzene	11.713	119	285733	48.904	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	299187	49.410	ug/l	96
85) sec-Butylbenzene	11.890	105	367465	48.547	ug/l	99
86) p-Isopropyltoluene	12.006	119	307988	49.907	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	158870	47.261	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	161058	47.286	ug/l	99
89) n-Butylbenzene	12.329	91	280339	48.764	ug/l	98
90) Hexachloroethane	12.536	117	50663	51.412	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	153485	48.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	30848	50.929	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	102226	49.970	ug/l	98
94) Hexachlorobutadiene	13.725	225	36945	47.396	ug/l	99
95) Naphthalene	13.774	128	369053	50.235	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	97709	48.536	ug/l	98

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

