

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038492.D
 Acq On : 25 Oct 2023 19:58
 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 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 04:11:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	189043	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	308761	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	176075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	126178	41.497	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.000%		
35) Dibromofluoromethane	5.385	113	116062	52.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.340%		
50) Toluene-d8	8.647	98	395158	46.481	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.960%		
62) 4-Bromofluorobenzene	11.079	95	160306	49.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	89783	49.203	ug/l	98
3) Chloromethane	1.295	50	83548	44.923	ug/l	100
4) Vinyl Chloride	1.374	62	95522	46.324	ug/l	100
5) Bromomethane	1.599	94	133342	49.223	ug/l	99
6) Chloroethane	1.685	64	64664	43.331	ug/l	99
7) Trichlorofluoromethane	1.886	101	178511	43.828	ug/l	100
8) Diethyl Ether	2.130	74	65003	42.792	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	97604	54.893	ug/l	94
10) Methyl Iodide	2.453	142	130606	51.051	ug/l	92
11) Tert butyl alcohol	2.959	59	157660	234.189	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	90685	52.431	ug/l	83
13) Acrolein	2.233	56	119599	276.684	ug/l	100
14) Allyl chloride	2.666	41	138958	44.917	ug/l	# 96
15) Acrylonitrile	3.062	53	326936	236.271	ug/l	99
16) Acetone	2.380	43	284071	223.853	ug/l	# 89
17) Carbon Disulfide	2.514	76	214448	43.019	ug/l	100
18) Methyl Acetate	2.703	43	276055	50.727	ug/l	# 90
19) Methyl tert-butyl Ether	3.111	73	329945	47.898	ug/l	97
20) Methylene Chloride	2.788	84	110567	46.321	ug/l	# 86
21) trans-1,2-Dichloroethene	3.093	96	102992	48.093	ug/l	84
22) Diisopropyl ether	3.764	45	299538	46.198	ug/l	# 82
23) Vinyl Acetate	3.721	43	1056995	222.297	ug/l	# 94
24) 1,1-Dichloroethane	3.611	63	181697	46.176	ug/l	97
25) 2-Butanone	4.550	43	450323	219.937	ug/l	# 89
26) 2,2-Dichloropropane	4.471	77	131775	42.893	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	126859	49.740	ug/l	84
28) Bromochloromethane	4.898	49	77529	43.646	ug/l	# 72
29) Tetrahydrofuran	5.001	42	288832	216.669	ug/l	# 86
30) Chloroform	5.099	83	210941	49.023	ug/l	97
31) Cyclohexane	5.471	56	139257	42.272	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	181422	49.225	ug/l	97
36) 1,1-Dichloropropene	5.696	75	140787	45.889	ug/l	96
37) Ethyl Acetate	4.715	43	163349	44.831	ug/l	96
38) Carbon Tetrachloride	5.678	117	156607	51.889	ug/l	98
39) Methylcyclohexane	7.379	83	165310	46.001	ug/l	90
40) Benzene	6.038	78	422914	49.285	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	86462	47.701	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	156993	45.792	ug/l	97
43) Isopropyl Acetate	6.336	43	254354	46.762	ug/l #	95
44) Trichloroethene	7.123	130	123534	55.042	ug/l	94
45) 1,2-Dichloropropane	7.434	63	109817	49.447	ug/l	100
46) Dibromomethane	7.580	93	87685	50.905	ug/l	92
47) Bromodichloromethane	7.824	83	162981	53.187	ug/l	99
48) Methyl methacrylate	7.690	41	122764	47.277	ug/l #	82
49) 1,4-Dioxane	7.659	88	45484	710.826	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	888841	236.907	ug/l	95
52) Toluene	8.720	92	279212	49.951	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	165993	50.466	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	179228	51.863	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	125597	52.532	ug/l	94
56) Ethyl methacrylate	9.116	69	183898	50.167	ug/l	90
57) 1,3-Dichloropropane	9.305	76	194467	50.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	396297	220.242	ug/l	95
59) 2-Hexanone	9.427	43	712368	236.180	ug/l	93
60) Dibromochloromethane	9.519	129	137780	58.881	ug/l	99
61) 1,2-Dibromoethane	9.610	107	137889	53.332	ug/l	100
64) Tetrachloroethene	9.275	164	106531	54.238	ug/l	96
65) Chlorobenzene	10.080	112	322882	50.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	123763	57.648	ug/l	99
67) Ethyl Benzene	10.195	91	559951	49.411	ug/l	99
68) m/p-Xylenes	10.299	106	439384	100.272	ug/l	96
69) o-Xylene	10.640	106	216703	50.671	ug/l	97
70) Styrene	10.653	104	369714	53.084	ug/l	95
71) Bromoform	10.799	173	108605	54.272	ug/l #	99
73) Isopropylbenzene	10.964	105	572590	48.491	ug/l	98
74) N-amyl acetate	10.842	43	230303	45.672	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	210585	48.601	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	191498m	47.840	ug/l	
77) Bromobenzene	11.195	156	152363	52.851	ug/l	84
78) n-propylbenzene	11.305	91	675331	46.774	ug/l	98
79) 2-Chlorotoluene	11.366	91	395482	46.187	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	493643	48.457	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	57109	42.332	ug/l	90
82) 4-Chlorotoluene	11.451	91	463727	45.767	ug/l	93
83) tert-Butylbenzene	11.713	119	500907	50.321	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	496238	48.855	ug/l	97
85) sec-Butylbenzene	11.890	105	625041	48.473	ug/l	99
86) p-Isopropyltoluene	12.006	119	528237	49.652	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	288707	49.860	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	293626	49.670	ug/l	97
89) n-Butylbenzene	12.329	91	467071	44.083	ug/l	96
90) Hexachloroethane	12.536	117	91683	51.977	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	282715	50.794	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48088	45.903	ug/l	68
93) 1,2,4-Trichlorobenzene	13.585	180	192284	51.508	ug/l	95
94) Hexachlorobutadiene	13.725	225	72534	48.275	ug/l	99
95) Naphthalene	13.774	128	621935	47.840	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	184114	50.936	ug/l	97

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

