

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038515.D
 Acq On : 26 Oct 2023 11:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 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 13:41:04 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	182532	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	296599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	130464	44.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.880%		
35) Dibromofluoromethane	5.385	113	117241	54.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.720%		
50) Toluene-d8	8.647	98	392079	48.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.020%		
62) 4-Bromofluorobenzene	11.079	95	160680	51.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.800%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	81878	46.471	ug/l	100
3) Chloromethane	1.301	50	83008	46.224	ug/l	95
4) Vinyl Chloride	1.374	62	91798	46.106	ug/l	99
5) Bromomethane	1.599	94	127543	48.753	ug/l	97
6) Chloroethane	1.679	64	64060	44.389	ug/l	97
7) Trichlorofluoromethane	1.886	101	162689	41.368	ug/l	99
8) Diethyl Ether	2.136	74	64927	44.267	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.325	101	86123	50.164	ug/l	93
10) Methyl Iodide	2.453	142	126763	51.316	ug/l	92
11) Tert butyl alcohol	2.959	59	177496	274.984	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	86082	51.545	ug/l	# 80
13) Acrolein	2.233	56	114566	274.494	ug/l	100
14) Allyl chloride	2.660	41	128670	43.075	ug/l	95
15) Acrylonitrile	3.062	53	331698	248.264	ug/l	99
16) Acetone	2.380	43	278228	227.069	ug/l	90
17) Carbon Disulfide	2.508	76	192928	40.082	ug/l	99
18) Methyl Acetate	2.703	43	283127	53.883	ug/l	# 89
19) Methyl tert-butyl Ether	3.111	73	330024	49.619	ug/l	98
20) Methylene Chloride	2.788	84	111372	48.322	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	97928	47.360	ug/l	86
22) Diisopropyl ether	3.757	45	292864	46.780	ug/l	# 94
23) Vinyl Acetate	3.721	43	1011137	220.238	ug/l	# 94
24) 1,1-Dichloroethane	3.611	63	175940	46.308	ug/l	98
25) 2-Butanone	4.556	43	456047	230.677	ug/l	# 86
26) 2,2-Dichloropropane	4.477	77	80985	27.301	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	121881	49.493	ug/l	82
28) Bromochloromethane	4.897	49	76549	44.631	ug/l	# 69
29) Tetrahydrofuran	5.001	42	291167	226.212	ug/l	# 84
30) Chloroform	5.093	83	205904	49.559	ug/l	95
31) Cyclohexane	5.471	56	125949	39.596	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	168989	47.487	ug/l	97
36) 1,1-Dichloropropene	5.696	75	129392	43.904	ug/l	95
37) Ethyl Acetate	4.715	43	165992	47.424	ug/l	95
38) Carbon Tetrachloride	5.678	117	146622	50.573	ug/l	94
39) Methylcyclohexane	7.379	83	144813	41.950	ug/l	90
40) Benzene	6.037	78	411477	49.918	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	86020	49.403	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	158043	47.988	ug/l	96
43) Isopropyl Acetate	6.342	43	250147	47.874	ug/l #	94
44) Trichloroethene	7.129	130	117703	54.594	ug/l	91
45) 1,2-Dichloropropane	7.427	63	107191	50.243	ug/l	99
46) Dibromomethane	7.580	93	86935	52.539	ug/l #	89
47) Bromodichloromethane	7.824	83	160577	54.552	ug/l	98
48) Methyl methacrylate	7.690	41	124753	50.013	ug/l #	83
49) 1,4-Dioxane	7.659	88	60408	982.770	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	907635	251.836	ug/l	94
52) Toluene	8.720	92	267698	49.855	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	152481	48.259	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	160188	48.254	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	126047	54.881	ug/l	96
56) Ethyl methacrylate	9.116	69	182324	51.777	ug/l	89
57) 1,3-Dichloropropane	9.311	76	193807	52.174	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	398020	230.270	ug/l	94
59) 2-Hexanone	9.427	43	726209	250.641	ug/l	92
60) Dibromochloromethane	9.519	129	137431	61.140	ug/l	100
61) 1,2-Dibromoethane	9.610	107	138643	55.822	ug/l	99
64) Tetrachloroethene	9.275	164	111849	58.685	ug/l	96
65) Chlorobenzene	10.079	112	314595	51.065	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	122372	58.741	ug/l	99
67) Ethyl Benzene	10.195	91	527862	48.002	ug/l	98
68) m/p-Xylenes	10.299	106	417681	98.230	ug/l	96
69) o-Xylene	10.640	106	208833	50.322	ug/l	96
70) Styrene	10.653	104	358383	53.028	ug/l	95
71) Bromoform	10.799	173	112838	57.907	ug/l #	100
73) Isopropylbenzene	10.963	105	538757	46.242	ug/l	98
74) N-amyl acetate	10.841	43	226615	45.548	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	217718	50.926	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	169755m	42.981	ug/l	
77) Bromobenzene	11.195	156	150598	52.944	ug/l	83
78) n-propylbenzene	11.305	91	623512	43.767	ug/l	98
79) 2-Chlorotoluene	11.366	91	380373	45.022	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	472175	46.975	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	49233	37.496	ug/l	90
82) 4-Chlorotoluene	11.451	91	447581	44.769	ug/l	94
83) tert-Butylbenzene	11.713	119	459420	46.776	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	476063	47.502	ug/l	97
85) sec-Butylbenzene	11.890	105	581771	45.726	ug/l	98
86) p-Isopropyltoluene	12.006	119	491531	46.826	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	282474	49.442	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	286959	49.198	ug/l	96
89) n-Butylbenzene	12.335	91	426055	40.755	ug/l	96
90) Hexachloroethane	12.536	117	86053	49.444	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	282975	51.527	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	50947	49.288	ug/l	70
93) 1,2,4-Trichlorobenzene	13.585	180	182956	49.671	ug/l	96
94) Hexachlorobutadiene	13.725	225	66391	44.783	ug/l	98
95) Naphthalene	13.774	128	628205	48.974	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	183011	51.314	ug/l	97

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

