

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102523\
 Data File : VX038466.D
 Acq On : 25 Oct 2023 09:44
 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 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:59:05 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	167538	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	278063	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	275211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123033	45.657	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.320%		
35) Dibromofluoromethane	5.379	113	109007	54.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.820%		
50) Toluene-d8	8.647	98	364525	47.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.220%		
62) 4-Bromofluorobenzene	11.079	95	147550	50.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.660%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	76955	47.586	ug/l	96
3) Chloromethane	1.294	50	75247	45.653	ug/l	98
4) Vinyl Chloride	1.374	62	79214	43.346	ug/l	99
5) Bromomethane	1.599	94	132536	55.311	ug/l	98
6) Chloroethane	1.685	64	56948	43.075	ug/l	99
7) Trichlorofluoromethane	1.886	101	149787	41.496	ug/l	99
8) Diethyl Ether	2.130	74	62344	46.310	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	83049	52.702	ug/l	96
10) Methyl Iodide	2.453	142	117250	51.713	ug/l	93
11) Tert butyl alcohol	2.953	59	159181	268.414	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	77683	50.679	ug/l	82
13) Acrolein	2.233	56	103228	269.464	ug/l	100
14) Allyl chloride	2.660	41	128895	47.012	ug/l	# 96
15) Acrylonitrile	3.056	53	304535	248.332	ug/l	99
16) Acetone	2.373	43	278305	247.460	ug/l	91
17) Carbon Disulfide	2.508	76	192187	43.502	ug/l	99
18) Methyl Acetate	2.697	43	254119	52.690	ug/l	91
19) Methyl tert-butyl Ether	3.105	73	320743	52.539	ug/l	97
20) Methylene Chloride	2.782	84	102261	48.340	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	91464	48.193	ug/l	85
22) Diisopropyl ether	3.751	45	283577	49.350	ug/l	# 96
23) Vinyl Acetate	3.715	43	1047454	248.567	ug/l	# 92
24) 1,1-Dichloroethane	3.605	63	165247	47.386	ug/l	97
25) 2-Butanone	4.544	43	426257	234.905	ug/l	91
26) 2,2-Dichloropropane	4.471	77	131423	48.270	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	116522	51.551	ug/l	86
28) Bromochloromethane	4.891	49	78595	49.925	ug/l	# 75
29) Tetrahydrofuran	4.995	42	269873	228.432	ug/l	# 86
30) Chloroform	5.086	83	191759	50.285	ug/l	95
31) Cyclohexane	5.464	56	119861	41.054	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	155198	47.515	ug/l	97
36) 1,1-Dichloropropene	5.684	75	122182	44.221	ug/l	96
37) Ethyl Acetate	4.702	43	159590	48.635	ug/l	96
38) Carbon Tetrachloride	5.672	117	134548	49.502	ug/l	98
39) Methylcyclohexane	7.379	83	142596	44.061	ug/l	91
40) Benzene	6.031	78	382134	49.449	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	80425	49.269	ug/l #	86
42) 1,2-Dichloroethane	6.080	62	150173	48.638	ug/l	96
43) Isopropyl Acetate	6.330	43	246008	50.220	ug/l #	95
44) Trichloroethene	7.123	130	107726	53.297	ug/l	97
45) 1,2-Dichloropropane	7.427	63	102815	51.405	ug/l	100
46) Dibromomethane	7.574	93	82927	53.458	ug/l	92
47) Bromodichloromethane	7.818	83	154175	55.868	ug/l	97
48) Methyl methacrylate	7.690	41	117227	50.129	ug/l #	84
49) 1,4-Dioxane	7.653	88	44978	780.520	ug/l #	87
51) 4-Methyl-2-Pentanone	8.567	43	846252	250.457	ug/l	95
52) Toluene	8.714	92	254127	50.482	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	164234	55.444	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	171474	55.097	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	117585	54.610	ug/l	94
56) Ethyl methacrylate	9.116	69	177104	53.647	ug/l	89
57) 1,3-Dichloropropane	9.305	76	184089	52.862	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	384031	236.988	ug/l	96
59) 2-Hexanone	9.427	43	674974	248.488	ug/l	92
60) Dibromochloromethane	9.518	129	130163	61.767	ug/l	99
61) 1,2-Dibromoethane	9.604	107	128699	55.273	ug/l	99
64) Tetrachloroethene	9.269	164	88582	49.720	ug/l	96
65) Chlorobenzene	10.079	112	295174	51.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	113010	58.031	ug/l	99
67) Ethyl Benzene	10.189	91	497958	48.441	ug/l	100
68) m/p-Xylenes	10.299	106	390708	98.297	ug/l	97
69) o-Xylene	10.640	106	194407	50.113	ug/l	98
70) Styrene	10.652	104	335798	53.153	ug/l	95
71) Bromoform	10.799	173	102629	56.419	ug/l #	100
73) Isopropylbenzene	10.963	105	501855	47.138	ug/l	98
74) N-amyl acetate	10.841	43	224525	49.385	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	202639	51.870	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	185716m	51.458	ug/l	
77) Bromobenzene	11.195	156	135485	52.124	ug/l	86
78) n-propylbenzene	11.305	91	594184	45.643	ug/l	98
79) 2-Chlorotoluene	11.360	91	355266	46.017	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	438649	47.756	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	57125	46.523	ug/l	88
82) 4-Chlorotoluene	11.451	91	424680	46.486	ug/l	94
83) tert-Butylbenzene	11.713	119	436151	48.596	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	443001	48.373	ug/l	97
85) sec-Butylbenzene	11.890	105	538480	46.316	ug/l	99
86) p-Isopropyltoluene	12.006	119	461460	48.108	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	265636	50.881	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	267374	50.164	ug/l	96
89) n-Butylbenzene	12.329	91	424449	44.431	ug/l	96
90) Hexachloroethane	12.536	117	81148	51.024	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	267181	53.241	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48530	51.379	ug/l	74
93) 1,2,4-Trichlorobenzene	13.585	180	182530	54.230	ug/l	96
94) Hexachlorobutadiene	13.725	225	65512	48.358	ug/l	99
95) Naphthalene	13.774	128	605963	51.697	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	178272	54.701	ug/l	98

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

