

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038837.D
 Acq On : 16 Nov 2023 13:13
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 16 22:46:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 15:22:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	197457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	369018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	342994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172083	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	157793	49.594	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.180%
35) Dibromofluoromethane	5.379	113	131985	49.523	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.040%
50) Toluene-d8	8.647	98	503305	49.358	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.720%
62) 4-Bromofluorobenzene	11.079	95	200087	49.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.040%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	121973	52.941	ug/l	96
3) Chloromethane	1.294	50	143539	47.733	ug/l	98
4) Vinyl Chloride	1.374	62	142128	49.066	ug/l	100
5) Bromomethane	1.599	94	68018	56.792	ug/l	99
6) Chloroethane	1.678	64	82445	49.873	ug/l	100
7) Trichlorofluoromethane	1.886	101	180814	49.191	ug/l	100
8) Diethyl Ether	2.130	74	75861	47.384	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	119488	49.017	ug/l	97
10) Methyl Iodide	2.453	142	150960	50.880	ug/l	89
11) Tert butyl alcohol	2.953	59	214029	241.859	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	120546	48.981	ug/l	87
13) Acrolein	2.233	56	107169	228.903	ug/l	98
14) Allyl chloride	2.660	41	238892	48.482	ug/l	91
15) Acrylonitrile	3.056	53	464503	248.416	ug/l	98
16) Acetone	2.373	43	410032	242.085	ug/l #	87
17) Carbon Disulfide	2.508	76	354882	46.552	ug/l	99
18) Methyl Acetate	2.697	43	398792	49.569	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	428282	49.478	ug/l	98
20) Methylene Chloride	2.788	84	139064	45.546	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	130934	48.217	ug/l	96
22) Diisopropyl ether	3.757	45	448173	49.580	ug/l #	85
23) Vinyl Acetate	3.715	43	1646552	252.919	ug/l	99
24) 1,1-Dichloroethane	3.605	63	246492	48.763	ug/l	99
25) 2-Butanone	4.544	43	668713	243.465	ug/l	96
26) 2,2-Dichloropropane	4.471	77	214428	48.903	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	152305	48.117	ug/l	96
28) Bromochloromethane	4.891	49	117459	48.397	ug/l	99
29) Tetrahydrofuran	4.995	42	440338	252.492	ug/l	97
30) Chloroform	5.086	83	237476	48.111	ug/l	96
31) Cyclohexane	5.464	56	221977	48.865	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	205909	48.162	ug/l	99
36) 1,1-Dichloropropene	5.684	75	184852	48.394	ug/l	98
37) Ethyl Acetate	4.702	43	245414	49.314	ug/l	97
38) Carbon Tetrachloride	5.672	117	171176	48.487	ug/l	98
39) Methylcyclohexane	7.372	83	238510	47.870	ug/l	96
40) Benzene	6.031	78	550737	48.748	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	131527	50.958	ug/l	94
42) 1,2-Dichloroethane	6.080	62	183443	49.008	ug/l	96
43) Isopropyl Acetate	6.336	43	391957	49.283	ug/l	96
44) Trichloroethene	7.116	130	134622	48.954	ug/l	97
45) 1,2-Dichloropropane	7.427	63	151270	49.755	ug/l	98
46) Dibromomethane	7.574	93	100394	49.516	ug/l	97
47) Bromodichloromethane	7.818	83	193286	48.032	ug/l	97
48) Methyl methacrylate	7.690	41	183162	47.465	ug/l	90
49) 1,4-Dioxane	7.653	88	72101	965.798	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	1259154	247.739	ug/l	97
52) Toluene	8.714	92	340838	48.616	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	233801	48.890	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	244946	49.587	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	142727	48.791	ug/l	95
56) Ethyl methacrylate	9.110	69	249509	50.411	ug/l	93
57) 1,3-Dichloropropane	9.305	76	237299	49.049	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	481502	208.833	ug/l	95
59) 2-Hexanone	9.427	43	1017666	249.806	ug/l	95
60) Dibromochloromethane	9.518	129	144620	48.621	ug/l	99
61) 1,2-Dibromoethane	9.610	107	150734	49.105	ug/l	98
64) Tetrachloroethene	9.268	164	101618	47.663	ug/l	94
65) Chlorobenzene	10.079	112	353473	47.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	127085	47.817	ug/l	97
67) Ethyl Benzene	10.195	91	661302	48.716	ug/l	98
68) m/p-Xylenes	10.299	106	499765	97.327	ug/l	99
69) o-Xylene	10.640	106	245065	48.232	ug/l	100
70) Styrene	10.652	104	414300	48.281	ug/l	98
71) Bromoform	10.799	173	108671	49.048	ug/l #	99
73) Isopropylbenzene	10.963	105	632503	47.175	ug/l	99
74) N-amyl acetate	10.841	43	347854	49.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	247761	47.338	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	206601m	49.406	ug/l	
77) Bromobenzene	11.195	156	141836	47.080	ug/l	96
78) n-propylbenzene	11.305	91	791106	47.936	ug/l	99
79) 2-Chlorotoluene	11.366	91	456635	46.623	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	540054	47.905	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	94740	48.945	ug/l #	78
82) 4-Chlorotoluene	11.451	91	536468	47.504	ug/l	100
83) tert-Butylbenzene	11.713	119	523718	47.170	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	542210	47.518	ug/l	98
85) sec-Butylbenzene	11.890	105	692995	47.717	ug/l	99
86) p-Isopropyltoluene	12.006	119	553004	47.435	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	279217	47.329	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	281909	46.688	ug/l	99
89) n-Butylbenzene	12.335	91	564378	47.982	ug/l	98
90) Hexachloroethane	12.536	117	111805	48.024	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	263361	47.066	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	62327	48.605	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	178250	47.538	ug/l	97
94) Hexachlorobutadiene	13.725	225	64179	48.333	ug/l	97
95) Naphthalene	13.774	128	664667	47.595	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	170214	47.887	ug/l	99

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

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