

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036850.D
 Acq On : 07 Aug 2023 20:29
 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 08/08/2023
 Supervised By : Mahesh Dadoda 08/08/2023

Quant Time: Aug 08 01:41:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	68676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158074	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79296	78.035	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 156.060%#			
35) Dibromofluoromethane	5.385	113	61902	56.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.940%			
50) Toluene-d8	8.647	98	179323	46.541	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.080%			
62) 4-Bromofluorobenzene	11.079	95	81957	56.379	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30711	33.851	ug/l	93
3) Chloromethane	1.301	50	62264	75.456	ug/l	99
4) Vinyl Chloride	1.374	62	48458	57.680	ug/l	100
5) Bromomethane	1.599	94	30786	61.380	ug/l	97
6) Chloroethane	1.672	64	32345	79.189	ug/l	98
7) Trichlorofluoromethane	1.880	101	56424	43.491	ug/l	99
8) Diethyl Ether	2.136	74	49817	99.249	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.325	101	27088	34.752	ug/l	98
10) Methyl Iodide	2.447	142	76932	95.025	ug/l	95
11) Tert butyl alcohol	2.971	59	137388	571.092	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	42512	55.282	ug/l	90
13) Acrolein	2.239	56	70265	511.787	ug/l	98
14) Allyl chloride	2.660	41	106967	70.639	ug/l	94
15) Acrylonitrile	3.069	53	249437	515.581	ug/l	99
16) Acetone	2.386	43	218345	517.812	ug/l	92
17) Carbon Disulfide	2.508	76	119680	56.389	ug/l	99
18) Methyl Acetate	2.703	43	176404	99.445	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	285974	98.960	ug/l	98
20) Methylene Chloride	2.788	84	85450	91.120	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	60653	70.571	ug/l	92
22) Diisopropyl ether	3.764	45	237960	82.764	ug/l #	89
23) Vinyl Acetate	3.721	43	1025767	465.101	ug/l	95
24) 1,1-Dichloroethane	3.611	63	129251	80.180	ug/l	98
25) 2-Butanone	4.556	43	349992	511.584	ug/l	92
26) 2,2-Dichloropropane	4.477	77	80317	52.877	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	87504	85.719	ug/l	89
28) Bromochloromethane	4.897	49	58951	75.615	ug/l	84
29) Tetrahydrofuran	5.007	42	222738	504.990	ug/l	88
30) Chloroform	5.093	83	146320	88.721	ug/l	97
31) Cyclohexane	5.471	56	44155	31.383	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	96266	63.704	ug/l	98
36) 1,1-Dichloropropene	5.690	75	67080	41.422	ug/l	98
37) Ethyl Acetate	4.715	43	136130	74.268	ug/l	96
38) Carbon Tetrachloride	5.672	117	69732	40.502	ug/l	94
39) Methylcyclohexane	7.379	83	41203	20.461	ug/l	90
40) Benzene	6.037	78	287744	61.070	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	71997	73.441	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	130636	75.833	ug/l	96
43) Isopropyl Acetate	6.342	43	221475	70.194	ug/l #	95
44) Trichloroethene	7.129	130	67226	54.585	ug/l	96
45) 1,2-Dichloropropane	7.427	63	81298	64.626	ug/l	99
46) Dibromomethane	7.580	93	66614	75.662	ug/l	95
47) Bromodichloromethane	7.824	83	124342	68.804	ug/l	94
48) Methyl methacrylate	7.696	41	105314	71.772	ug/l #	88
49) 1,4-Dioxane	7.659	88	55058	1857.381	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	667862	382.495	ug/l	94
52) Toluene	8.720	92	175569	59.469	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	140059	68.570	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	142931	66.315	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	92657	74.662	ug/l	96
56) Ethyl methacrylate	9.116	69	151720	75.078	ug/l	92
57) 1,3-Dichloropropane	9.311	76	154593	74.791	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	342366	343.838	ug/l	95
59) 2-Hexanone	9.433	43	515076	397.476	ug/l	92
60) Dibromochloromethane	9.519	129	102731	75.315	ug/l	99
61) 1,2-Dibromoethane	9.610	107	101532	78.940	ug/l	100
64) Tetrachloroethene	9.275	164	51670	44.257	ug/l	98
65) Chlorobenzene	10.079	112	203359	58.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	84650	63.477	ug/l	100
67) Ethyl Benzene	10.195	91	313375	49.719	ug/l	99
68) m/p-Xylenes	10.299	106	243509	103.546	ug/l	99
69) o-Xylene	10.640	106	132680	56.522	ug/l	98
70) Styrene	10.653	104	235179	60.724	ug/l	98
71) Bromoform	10.799	173	76439	70.809	ug/l #	99
73) Isopropylbenzene	10.963	105	268375	41.229	ug/l	98
74) N-amyl acetate	10.842	43	187337	61.716	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	149722	68.100	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	125549m	67.862	ug/l	
77) Bromobenzene	11.195	156	91199	61.521	ug/l	94
78) n-propylbenzene	11.305	91	302887	40.234	ug/l	100
79) 2-Chlorotoluene	11.366	91	234692	51.447	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	243804	44.771	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	48463	59.374	ug/l	86
82) 4-Chlorotoluene	11.457	91	267216	51.410	ug/l	97
83) tert-Butylbenzene	11.713	119	214636	40.121	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	263868	48.451	ug/l	97
85) sec-Butylbenzene	11.890	105	219009	32.827	ug/l	98
86) p-Isopropyltoluene	12.006	119	197246	35.930	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	156491	56.997	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	162330	59.576	ug/l	99
89) n-Butylbenzene	12.335	91	158100	32.172	ug/l	99
90) Hexachloroethane	12.536	117	40919	36.767	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	165516	62.471	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	38106	74.587	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	90042	55.161	ug/l	98
94) Hexachlorobutadiene	13.725	225	20674	30.614	ug/l	98
95) Naphthalene	13.774	128	417819	73.451	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	95135	59.132	ug/l	99

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

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