

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111921\
 Data File : VX025229.D
 Acq On : 18 Nov 2021 23:05
 Operator : JC/MD
 Sample : M4677-08MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 H0AB5MSD

Quant Time: Nov 19 05:31:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 19 05:25:45 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/19/2021
 Supervised By : Mahesh Dadoda 11/22/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	172958	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	160005	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	81543	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	44837	38.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.740%
7) Chloroethane-d5	1.660	69	37655	56.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.080%
11) 1,1-Dichloroethene-d2	2.306	63	77822	38.724	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.440%
21) 2-Butanone-d5	4.459	46	77923	88.248	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.250%
24) Chloroform-d	5.062	84	89685	43.630	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.260%
26) 1,2-Dichloroethane-d4	5.958	65	53848	43.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.440%
32) Benzene-d6	5.977	84	178069	40.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.560%
36) 1,2-Dichloropropane-d6	7.312	67	54906	41.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.360%
41) Toluene-d8	8.653	98	164664	39.484	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.960%#
43) trans-1,3-Dichloroprop...	8.952	79	28172	38.920	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.840%
47) 2-Hexanone-d5	9.384	63	61292	85.599	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.600%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	82660	43.040	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.080%
66) 1,2-Dichlorobenzene-d4	12.323	152	69974	43.288	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49967	36.965	ug/L	97
3) Chloromethane	1.294	50	50591	34.570	ug/L	90
5) Vinyl chloride	1.374	62	60305	39.961	ug/L	97
6) Bromomethane	1.599	94	36335	62.744	ug/L	99
8) Chloroethane	1.685	64	38896	51.326	ug/L	98
9) Trichlorofluoromethane	1.886	101	93237	42.327	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	47663	41.756	ug/L	95
12) 1,1-Dichloroethene	2.319	96	45015	40.820	ug/L #	83
13) Acetone	2.380	43	46577	56.232	ug/L	97
14) Carbon disulfide	2.508	76	114207	33.613	ug/L	99
15) Methyl Acetate	2.709	43	53049	39.338	ug/L #	81
16) Methylene chloride	2.788	84	51874	42.524	ug/L	86
17) trans-1,2-Dichloroethene	3.093	96	50730	42.359	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	164166	43.855	ug/L #	90
19) 1,1-Dichloroethane	3.611	63	86061	42.481	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	140531	106.053	ug/L	98
22) 2-Butanone	4.562	43	81631	74.036	ug/L	86
23) Bromochloromethane	4.904	128	30532	44.754	ug/L #	74
25) Chloroform	5.099	83	94383	45.455	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	69106	45.392	ug/L #	89
29) Cyclohexane	5.477	56	79084	38.687	ug/L	88
30) 1,1,1-Trichloroethane	5.385	97	84133	42.790	ug/L #	94
31) Carbon tetrachloride	5.678	117	75589	43.538	ug/L	99
33) Benzene	6.044	78	206178	41.941	ug/L	100
34) Trichloroethene	7.129	95	102368	79.688	ug/L	81
35) Methylcyclohexane	7.385	83	88113	40.562	ug/L	94
37) 1,2-Dichloropropane	7.434	63	51053	41.457	ug/L	100
38) Bromodichloromethane	7.824	83	71786	43.076	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	81184	40.149	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	167368	85.516	ug/L #	84
42) Toluene	8.720	91	227133	42.538	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	79243	40.268	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	55284	44.458	ug/L	98
46) Tetrachloroethene	9.275	164	394772	368.332	ug/L	90
48) 2-Hexanone	9.433	43	127131	79.247	ug/L #	85
49) Dibromochloromethane	9.525	129	62952	44.348	ug/L	100
50) 1,2-Dibromoethane	9.610	107	58692	44.102	ug/L #	96
51) Chlorobenzene	10.079	112	160945	46.912	ug/L	97
52) Ethylbenzene	10.195	91	245945	42.851	ug/L	93
53) m,p-Xylene	10.305	106	99663	42.949	ug/L	80
54) o-Xylene	10.646	106	99788	43.579	ug/L	79
55) Styrene	10.659	104	166692	42.871	ug/L	81
57) 1,1,2,2-Tetrachloroethane	11.213	83	85974	43.547	ug/L	97
59) Bromoform	10.799	173	48342	43.867	ug/L #	95
60) Isopropylbenzene	10.963	105	253773	43.523	ug/L	94
61) 1,2,3-Trichloropropane	11.244	75	68719	44.755	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	213020	43.060	ug/L	87
63) 1,2,4-Trimethylbenzene	11.756	105	217779m	43.878	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	119641	45.012	ug/L	94
65) 1,4-Dichlorobenzene	12.043	146	118487	44.618	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	119270	45.179	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	18954	42.681	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.116	180	86560	45.014	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	75782	45.179	ug/L	97
71) Naphthalene	13.780	128	263310	46.292	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	76395	45.941	ug/L	95

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

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