

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052522\
 Data File : VU048667.D
 Acq On : 25 May 2022 16:36
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

Quant Time: May 26 06:52:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 26 06:51:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	212058	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	208741	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	155063	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	57933	44.604	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.200%
7) Chloroethane-d5	1.912	69	45639	46.902	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.800%
11) 1,1-Dichloroethene-d2	2.568	63	142600	48.546	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.100%
21) 2-Butanone-d5	4.620	46	103652	83.860	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.860%
24) Chloroform-d	5.066	84	164148	50.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.020%
26) 1,2-Dichloroethane-d4	5.703	65	112023	48.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
32) Benzene-d6	5.729	84	278940	48.015	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.040%
36) 1,2-Dichloropropane-d6	6.693	67	78211	45.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	7.899	98	273909	50.126	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.260%
43) trans-1,3-Dichloroprop...	8.182	79	50088	45.928	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.860%
47) 2-Hexanone-d5	8.632	63	71936	76.912	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.910%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	124101	43.975	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.940%
66) 1,2-Dichlorobenzene-d4	12.195	152	181789	57.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	113135	49.645	ug/L	98
3) Chloromethane	1.523	50	60063	42.716	ug/L	95
5) Vinyl chloride	1.604	62	69862	46.706	ug/L	100
6) Bromomethane	1.854	94	55062	50.991	ug/L	97
8) Chloroethane	1.935	64	45557	51.746	ug/L	100
9) Trichlorofluoromethane	2.137	101	201172	68.894	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	79201	53.191	ug/L	96
12) 1,1-Dichloroethene	2.581	96	69490	50.365	ug/L	97
13) Acetone	2.626	43	81062	80.725	ug/L	100
14) Carbon disulfide	2.793	76	188019	46.959	ug/L	99
15) Methyl Acetate	2.948	43	78968	46.077	ug/L	97
16) Methylene chloride	3.047	84	80092	49.863	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	76133	51.161	ug/L	99
18) Methyl tert-butyl Ether	3.362	73	273042	52.885	ug/L	99
19) 1,1-Dichloroethane	3.870	63	140937	51.732	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	88342	52.641	ug/L	93
22) 2-Butanone	4.703	43	112171	87.976	ug/L	98
23) Bromochloromethane	4.976	128	50649	54.389	ug/L	91
25) Chloroform	5.089	83	169248	53.223	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	146369	53.656	ug/L	97
29) Cyclohexane	5.391	56	105231	49.081	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	170401	53.914	ug/L	97
31) Carbon tetrachloride	5.526	117	158284	54.951	ug/L	98
33) Benzene	5.777	78	316068	51.827	ug/L	100
34) Trichloroethene	6.542	95	90197	52.276	ug/L	100
35) Methylcyclohexane	6.764	83	123325	49.809	ug/L	99
37) 1,2-Dichloropropane	6.790	63	75977	49.824	ug/L	98
38) Bromodichloromethane	7.108	83	133953	54.294	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	134454	51.643	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	214197	92.046	ug/L	98
42) Toluene	7.970	91	354332	53.306	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	146335	53.297	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	85513	52.366	ug/L	98
46) Tetrachloroethene	8.555	164	78416	55.695	ug/L	99
48) 2-Hexanone	8.684	43	175189	87.866	ug/L	98
49) Dibromochloromethane	8.812	129	114476	54.526	ug/L	96
50) 1,2-Dibromoethane	8.925	107	97108	51.526	ug/L	96
51) Chlorobenzene	9.449	112	245103	52.870	ug/L	97
52) Ethylbenzene	9.571	91	394865	51.982	ug/L	99
53) m,p-Xylene	9.697	106	160959	52.727	ug/L	98
54) o-Xylene	10.102	106	155279	53.096	ug/L	98
55) Styrene	10.115	104	273434	53.775	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	137605	48.757	ug/L	97
59) Bromoform	10.291	173	93677	43.949	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	123170	40.051	ug/L	97
61) Isopropylbenzene	10.484	105	417952	43.766	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	242629	44.690	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	376181	44.559	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	257506	52.288	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	286060	55.976	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	320530	63.990	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	72407	60.897	ug/L	93
69) 1,3,5-Trichlorobenzene	13.220	180	240855	61.361	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	211891	59.685	ug/L	99
71) Naphthalene	14.089	128	662514	56.595	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	218202	61.217	ug/L	99

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

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