

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071522\
 Data File : VU049725.D
 Acq On : 15 Jul 2022 09:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050165

Quant Time: Jul 15 22:59:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 15 04:01:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	204048	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	192003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	98522	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71780	41.693	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.380%
7) Chloroethane-d5	1.903	69	55568	44.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.300%
11) 1,1-Dichloroethene-d2	2.565	63	133943	44.045	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.080%
21) 2-Butanone-d5	4.620	46	156033	106.166	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.170%
24) Chloroform-d	5.063	84	152109	49.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.760%
26) 1,2-Dichloroethane-d4	5.703	65	101490	49.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.360%
32) Benzene-d6	5.726	84	270167	46.317	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.640%
36) 1,2-Dichloropropane-d6	6.690	67	96263	49.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.120%
41) Toluene-d8	7.896	98	240612	47.368	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.740%
43) trans-1,3-Dichloroprop...	8.179	79	40594	49.108	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.220%
47) 2-Hexanone-d5	8.632	63	90344	102.367	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.370%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	141359	51.493	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.980%
66) 1,2-Dichlorobenzene-d4	12.192	152	89918	48.406	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	115969	47.413	ug/L	99
3) Chloromethane	1.520	50	126355	47.070	ug/L	97
5) Vinyl chloride	1.600	62	111768	46.076	ug/L	100
6) Bromomethane	1.845	94	55403	49.434	ug/L	97
8) Chloroethane	1.925	64	63352	47.146	ug/L	100
9) Trichlorofluoromethane	2.134	101	144683	48.297	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	76077	48.398	ug/L	99
12) 1,1-Dichloroethene	2.578	96	66311	45.453	ug/L	96
13) Acetone	2.626	43	114203	81.764	ug/L	95
14) Carbon disulfide	2.790	76	208595	42.401	ug/L	99
15) Methyl Acetate	2.948	43	116441	51.314	ug/L	99
16) Methylene chloride	3.041	84	87560	47.661	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	74116	46.441	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	268231	49.069	ug/L	99
19) 1,1-Dichloroethane	3.867	63	162707	48.970	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	86717	48.347	ug/L	97
22) 2-Butanone	4.700	43	178856	95.644	ug/L	100
23) Bromochloromethane	4.973	128	44414	49.627	ug/L	95
25) Chloroform	5.086	83	167009	50.127	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	138894	48.959	ug/L	100
29) Cyclohexane	5.388	56	140176	46.773	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	138355	49.774	ug/L	100
31) Carbon tetrachloride	5.523	117	113236	49.808	ug/L	97
33) Benzene	5.774	78	352367	48.824	ug/L	100
34) Trichloroethene	6.542	95	85493	49.006	ug/L	98
35) Methylcyclohexane	6.761	83	133482	48.691	ug/L	98
37) 1,2-Dichloropropane	6.790	63	99541	49.761	ug/L	100
38) Bromodichloromethane	7.105	83	125396	50.559	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	139333	51.645	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	326129	100.707	ug/L	99
42) Toluene	7.970	91	358747	50.015	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	130519	51.524	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	89733	51.392	ug/L	97
46) Tetrachloroethene	8.552	164	58624	48.451	ug/L	97
48) 2-Hexanone	8.684	43	257687	99.575	ug/L	99
49) Dibromochloromethane	8.809	129	89790	51.129	ug/L	96
50) 1,2-Dibromoethane	8.925	107	89645	51.685	ug/L	100
51) Chlorobenzene	9.446	112	214732	49.435	ug/L	100
52) Ethylbenzene	9.568	91	372496	49.212	ug/L	99
53) m,p-Xylene	9.693	106	142079	51.622	ug/L	97
54) o-Xylene	10.102	106	138525	49.985	ug/L	97
55) Styrene	10.115	104	237308	51.887	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	159282	50.962	ug/L	100
59) Bromoform	10.291	173	64381	48.721	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	125816	47.944	ug/L	100
61) Isopropylbenzene	10.484	105	364521	49.550	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	312589	50.375	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	308562	50.053	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	156185	48.635	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	155582	48.229	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	162760	48.740	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	38627	50.234	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	113774	50.560	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	97641	47.282	ug/L	97
71) Naphthalene	14.085	128	349102	47.289	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	105682	49.405	ug/L	100

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

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