

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042722\
 Data File : U048327.D
 Acq On : 27 Apr 2022 20:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Apr 28 04:42:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 28 04:33:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	437719	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	446976	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	265267	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	180738	44.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.800%
7) Chloroethane-d5	1.890	69	139553	49.392	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.780%
11) 1,1-Dichloroethene-d2	2.565	63	297252	46.090	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.180%
21) 2-Butanone-d5	4.620	46	317941	92.611	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.610%
24) Chloroform-d	5.063	84	337612	46.242	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.480%
26) 1,2-Dichloroethane-d4	5.700	65	204923	47.306	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.620%
32) Benzene-d6	5.726	84	706894	50.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.280%
36) 1,2-Dichloropropane-d6	6.690	67	225802	48.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.900%
41) Toluene-d8	7.896	98	676321	52.928	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.860%
43) trans-1,3-Dichloroprop...	8.179	79	106053	51.570	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.140%
47) 2-Hexanone-d5	8.636	63	277903	110.522	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.520%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	399666	48.896	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	301639	50.549	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	137311	41.515	ug/L	100
3) Chloromethane	1.523	50	139555	36.864	ug/L	99
5) Vinyl chloride	1.604	62	162936	42.710	ug/L #	38
6) Bromomethane	1.829	94	34095	19.446	ug/L	96
8) Chloroethane	1.916	64	95647	44.341	ug/L	96
9) Trichlorofluoromethane	2.128	101	225199	45.297	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	141814	43.008	ug/L	100
12) 1,1-Dichloroethene	2.575	96	129556	45.012	ug/L	87
13) Acetone	2.626	43	171542	77.833	ug/L	100
14) Carbon disulfide	2.790	76	306025	43.625	ug/L	100
15) Methyl Acetate	2.945	43	196526	44.920	ug/L	99
16) Methylene chloride	3.044	84	175362	47.258	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	138119	46.193	ug/L	96
18) Methyl tert-butyl Ether	3.363	73	507146	51.406	ug/L	99
19) 1,1-Dichloroethane	3.867	63	284710	45.534	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	175208	48.612	ug/L	95
22) 2-Butanone	4.700	43	295881	90.787	ug/L	97
23) Bromochloromethane	4.973	128	95784	47.601	ug/L	95
25) Chloroform	5.089	83	300189	47.016	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	219180	47.063	ug/L	99
29) Cyclohexane	5.388	56	203913	48.284	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	248649	49.193	ug/L	99
31) Carbon tetrachloride	5.526	117	209309	48.585	ug/L	100
33) Benzene	5.774	78	659654	49.846	ug/L	100
34) Trichloroethene	6.543	95	156647	48.292	ug/L	99
35) Methylcyclohexane	6.761	83	219786	48.261	ug/L	97
37) 1,2-Dichloropropane	6.790	63	179371	47.639	ug/L	99
38) Bromodichloromethane	7.105	83	230685	48.514	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	264819	50.017	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	590781	104.030	ug/L	99
42) Toluene	7.970	91	696907	50.159	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	255359	49.370	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	190530	48.231	ug/L	98
46) Tetrachloroethene	8.552	164	130001	46.697	ug/L	99
48) 2-Hexanone	8.687	43	490001	103.326	ug/L	99
49) Dibromochloromethane	8.809	129	209758	48.321	ug/L	99
50) 1,2-Dibromoethane	8.922	107	200205	49.976	ug/L	100
51) Chlorobenzene	9.446	112	539389	53.858	ug/L	100
52) Ethylbenzene	9.571	91	744287	51.726	ug/L	100
53) m,p-Xylene	9.694	106	300428	52.908	ug/L	100
54) o-Xylene	10.102	106	308928	54.005	ug/L	100
55) Styrene	10.115	104	527217	54.101	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.784	83	385372	49.428	ug/L	100
59) Bromoform	10.292	173	184766	47.994	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	296495	47.912	ug/L	99
61) Isopropylbenzene	10.484	105	793145	53.476	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	430409	55.058	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	677571	56.376	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	411521	49.489	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	409351	48.221	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	429420	49.022	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	82225	49.773	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	308544	49.935	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	261305	53.530	ug/L	100
71) Naphthalene	14.086	128	881595	63.107	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	276596	55.290	ug/L	99

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

