

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019642.D
 Acq On : 15 Dec 2020 07:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Dec 15 10:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 10:26:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	578019	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	520929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	241819	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	146706	35.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.78%
7) Chloroethane-d5	1.57	69	138053	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.46%
11) 1,1-Dichloroethene-d2	2.11	63	299147	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.78%
21) 2-Butanone-d5	3.89	46	268918	119.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.37%
24) Chloroform-d	4.35	84	346791	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.04	65	237258	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
32) Benzene-d6	5.05	84	614329	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.44%
36) 1,2-Dichloropropane-d6	6.07	67	211618	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.32	98	502468	40.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.34%
43) trans-1,3-Dichloropropene-	7.62	79	102296	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.64%
47) 2-Hexanone-d5	8.09	63	194128	113.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.65%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	312033	53.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.02%
64) 1,2-Dichlorobenzene-d4	11.63	152	197864	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	172787	37.041	ug/L 99
3) Chloromethane	1.24	50	250996	50.621	ug/L 100
5) Vinyl chloride	1.31	62	230559	46.358	ug/L 100
6) Bromomethane	1.52	94	150547	50.405	ug/L 99
8) Chloroethane	1.59	64	150120	50.042	ug/L 100
9) Trichlorofluoromethane	1.76	101	247815	40.784	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	127076	37.869	ug/L 99
12) 1,1-Dichloroethene	2.12	96	153234	44.499	ug/L # 86
13) Acetone	2.19	43	225521	117.505	ug/L 100
14) Carbon disulfide	2.30	76	446014	39.419	ug/L 99
15) Methyl Acetate	2.44	43	244455	58.461	ug/L 99
16) Methylene chloride	2.51	84	209853	51.978	ug/L 98
17) trans-1,2-Dichloroethene	2.77	96	171839	45.528	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	692209	52.486	ug/L 99
19) 1,1-Dichloroethane	3.19	63	364329	49.790	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	203178	48.969	ug/L # 97
22) 2-Butanone	3.97	43	345283	122.647	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	103093	50.500	ug/L	96
25) Chloroform	4.38	83	371389	50.819	ug/L	100
27) 1,2-Dichloroethane	5.14	62	315508	52.113	ug/L	100
29) Cyclohexane	4.68	56	230285	36.069	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	294536	45.093	ug/L	99
31) Carbon tetrachloride	4.83	117	221775	40.220	ug/L	100
33) Benzene	5.10	78	757117	49.730	ug/L	100
34) Trichloroethene	5.92	95	179011	44.511	ug/L	98
35) Methylcyclohexane	6.14	83	218212	35.715	ug/L	100
37) 1,2-Dichloropropane	6.18	63	212708	53.500	ug/L	100
38) Bromodichloromethane	6.51	83	275578	49.568	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	319079	48.321	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	684958	119.413	ug/L	99
42) Toluene	7.39	91	725674	45.225	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	310454	46.431	ug/L	97
45) 1,1,2-Trichloroethane	7.84	97	200090	52.996	ug/L	98
46) Tetrachloroethene	7.98	164	106481	38.263	ug/L	98
48) 2-Hexanone	8.14	43	528266	121.374	ug/L	98
49) Dibromochloromethane	8.25	129	204735	49.515	ug/L	99
50) 1,2-Dibromoethane	8.35	107	209607	52.719	ug/L	99
51) Chlorobenzene	8.88	112	458732	44.761	ug/L	99
52) Ethylbenzene	9.02	91	755752	41.339	ug/L	99
53) m,p-Xylene	9.14	106	275696	40.365	ug/L	98
54) o-xylene	9.55	106	287431	42.934	ug/L	99
55) Styrene	9.56	104	513783	44.034	ug/L	99
56) Isopropylbenzene	9.94	105	700526	39.278	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	330555	54.442	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	279818	56.582	ug/L	100
61) Bromoform	9.74	173	136015	50.833	ug/L	98
62) 1,3-Dichlorobenzene	11.19	146	323544	43.609	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	333180	44.348	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	344928	47.049	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	84392	55.147	ug/L	96
67) 1,3,5-Trichlorobenzene	12.65	180	222834	42.510	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	219347	44.754	ug/L	99
69) Naphthalene	13.51	128	898121	52.773	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	225620	47.106	ug/L	99

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

