

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030519\
 Data File : VV009508.D
 Acq On : 06 Mar 2019 01:24
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02567

Quant Time: Mar 06 04:18:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 06 04:12:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	163025	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	167018	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82432	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42410	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.44%
7) Chloroethane-d5	1.58	69	71538	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
10) 1,1-Dichloroethene-d2	2.13	63	114336	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.56%
20) 2-Butanone-d5	3.94	46	29689	44.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.80%
24) Chloroform-d	4.40	84	95994	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	5.08	65	57338	25.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.80%
29) Benzene-d6	5.10	84	191867	23.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.76%
33) 1,2-Dichloropropane-d6	6.12	67	58798	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	7.36	98	182421	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.48%
38) trans-1,3-Dichloropropene-	7.66	79	27404	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	8.14	63	23222	40.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59554	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	70766	23.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	41056	21.872	ug/L 98
3) Chloromethane	1.25	50	50258	25.122	ug/L 99
5) Vinyl chloride	1.32	62	51495	23.348	ug/L 99
6) Bromomethane	1.53	94	72259	26.318	ug/L 98
8) Chloroethane	1.59	64	52563	21.447	ug/L 96
9) Trichlorofluoromethane	1.77	101	100854	22.292	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	58208	22.977	ug/L 96
12) 1,1-Dichloroethene	2.14	96	51487	23.755	ug/L 83
13) Acetone	2.20	43	22168	32.604	ug/L 100
14) Carbon disulfide	2.32	76	128381	23.369	ug/L 99
15) Methyl Acetate	2.47	43	24782	22.508	ug/L 97
16) Methylene chloride	2.53	84	55308	25.851	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	134185	27.646	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	47698	24.500	ug/L 99
19) 1,1-Dichloroethane	3.23	63	90867	26.489	ug/L 100
21) 2-Butanone	4.03	43	30113	35.093	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	59790	27.203	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27615	27.248	ug/L	94
25) Chloroform	4.43	83	104129	27.200	ug/L	99
27) 1,2-Dichloroethane	5.18	62	72014	27.085	ug/L	99
30) Cyclohexane	4.72	56	71435	20.153	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	83319	22.316	ug/L	99
32) Carbon tetrachloride	4.88	117	67915	21.516	ug/L	99
34) Benzene	5.15	78	212347	24.605	ug/L	100
35) Trichloroethene	5.96	95	57963	23.371	ug/L	98
36) Methylcyclohexane	6.18	83	82078	20.315	ug/L	99
40) 1,2-Dichloropropane	6.22	63	56861	25.553	ug/L	99
41) Bromodichloromethane	6.56	83	79006	26.305	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	85954	24.881	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	78177	44.568	ug/L	99
44) Toluene	7.43	91	237809	24.378	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	76644	25.404	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	48028	25.980	ug/L	96
47) Tetrachloroethene	8.02	164	42397	22.538	ug/L	95
49) 2-Hexanone	8.19	43	54518	41.102	ug/L	99
50) Dibromochloromethane	8.29	129	57060	25.494	ug/L	95
51) 1,2-Dibromoethane	8.40	107	48639	25.464	ug/L #	99
52) Chlorobenzene	8.93	112	162326	25.105	ug/L	98
53) Ethylbenzene	9.06	91	268020	24.010	ug/L	98
54) m,p-Xylene	9.18	106	103366	24.466	ug/L	97
55) o-xylene	9.59	106	103104	25.308	ug/L	95
56) Styrene	9.60	104	175782	26.226	ug/L	99
57) Isopropylbenzene	9.98	105	263748	23.471	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	65375	25.044	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	45307	24.077	ug/L	98
62) Bromoform	9.78	173	31985	23.911	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	127802	24.821	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	127480	24.228	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	120980	25.194	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10435	21.696	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	87610	23.721	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	73759	24.944	ug/L	100
69) Naphthalene	13.55	128	154021	24.728	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	68890	25.324	ug/L	95

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

