

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010167.D
 Acq On : 08 Apr 2019 11:03
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02585

Quant Time: Apr 09 05:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 05:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273801	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	263152	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135647	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96191	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.96%
7) Chloroethane-d5	1.58	69	136213	29.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.68%
10) 1,1-Dichloroethene-d2	2.13	63	240388	26.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.00%
20) 2-Butanone-d5	3.95	46	46123	44.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.44%
24) Chloroform-d	4.40	84	185761	26.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.72%
26) 1,2-Dichloroethane-d4	5.08	65	97423	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	5.10	84	368541	27.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.04%
33) 1,2-Dichloropropane-d6	6.12	67	105092	26.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.36%
37) Toluene-d8	7.36	98	365335	27.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.16%
38) trans-1,3-Dichloropropene-	7.66	79	45862	26.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.56%
39) 2-Hexanone-d5	8.14	63	34930	43.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	95522	24.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	139926	26.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	98498	24.872	ug/L	99
3) Chloromethane	1.25	50	85211	24.146	ug/L	98
5) Vinyl chloride	1.32	62	96270	25.045	ug/L	98
6) Bromomethane	1.54	94	92820	21.347	ug/L	99
8) Chloroethane	1.60	64	102443	30.487	ug/L	99
9) Trichlorofluoromethane	1.77	101	212902	26.871	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	120425	27.332	ug/L	99
12) 1,1-Dichloroethene	2.14	96	98076	26.200	ug/L	96
13) Acetone	2.21	43	43895	42.565	ug/L	97
14) Carbon disulfide	2.32	76	192352	24.760	ug/L	100
15) Methyl Acetate	2.47	43	36641	22.205	ug/L	98
16) Methylene chloride	2.54	84	94437	19.631	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	212189	26.467	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	84194	25.750	ug/L	96
19) 1,1-Dichloroethane	3.23	63	150312	27.057	ug/L	99
21) 2-Butanone	4.03	43	51731	45.805	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	97465	26.846	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47571	27.005	ug/L	91
25) Chloroform	4.43	83	172828	27.761	ug/L	100
27) 1,2-Dichloroethane	5.18	62	109210	25.717	ug/L	97
30) Cyclohexane	4.72	56	125452	26.409	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	154219	28.736	ug/L	99
32) Carbon tetrachloride	4.87	117	142045	29.612	ug/L	99
34) Benzene	5.15	78	339992	26.420	ug/L	100
35) Trichloroethene	5.96	95	99894	26.969	ug/L	98
36) Methylcyclohexane	6.18	83	154387	27.822	ug/L	98
40) 1,2-Dichloropropane	6.22	63	84922	26.118	ug/L	99
41) Bromodichloromethane	6.56	83	118601	28.048	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	127458	27.080	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	116731	48.522	ug/L	99
44) Toluene	7.43	91	399380	27.653	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	112630	28.137	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	73844	25.613	ug/L	99
47) Tetrachloroethene	8.02	164	86826	28.005	ug/L	98
49) 2-Hexanone	8.19	43	83193	48.416	ug/L	97
50) Dibromochloromethane	8.29	129	94410	29.212	ug/L	99
51) 1,2-Dibromoethane	8.40	107	74845	26.268	ug/L	98
52) Chlorobenzene	8.92	112	275003	27.915	ug/L	97
53) Ethylbenzene	9.05	91	451817	28.529	ug/L	99
54) m,p-Xylene	9.18	106	180790	29.329	ug/L	91
55) o-xylene	9.59	106	176144	29.495	ug/L	92
56) Styrene	9.60	104	289690	29.324	ug/L	99
57) Isopropylbenzene	9.97	105	479954	30.474	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	91036	24.585	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	66771	25.146	ug/L	98
62) Bromoform	9.77	173	53029	27.795	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	229269	28.796	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	234186	28.237	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	218779	27.971	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	12695	23.938	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	179106	30.293	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	133792	29.550	ug/L	99
69) Naphthalene	13.55	128	191581	25.433	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	122355	28.946	ug/L	98

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

