

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\
 Data File : VV009657.D
 Acq On : 14 Mar 2019 00:54
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

Quant Time: Mar 14 07:49:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 07:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	126083	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	122809	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59969	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35223	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
7) Chloroethane-d5	1.56	69	37958	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
10) 1,1-Dichloroethene-d2	2.12	63	100260	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	3.93	46	31317	74.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.32%#
24) Chloroform-d	4.40	84	79849	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	5.08	65	49796	27.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.52%
29) Benzene-d6	5.10	84	157683	24.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.92%
33) 1,2-Dichloropropane-d6	6.12	67	47921	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.84%
37) Toluene-d8	7.36	98	150171	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.36%
38) trans-1,3-Dichloropropene-	7.66	79	21686	25.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.28%
39) 2-Hexanone-d5	8.13	63	24799	71.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.10%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52684	29.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	55190	23.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	42236	21.651	ug/L	98
3) Chloromethane	1.24	50	41587	23.928	ug/L	99
5) Vinyl chloride	1.32	62	42876	22.961	ug/L	98
6) Bromomethane	1.51	94	41065	19.870	ug/L	99
8) Chloroethane	1.58	64	33909	21.146	ug/L	97
9) Trichlorofluoromethane	1.76	101	90469	22.838	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50265	23.335	ug/L	99
12) 1,1-Dichloroethene	2.13	96	44377	23.482	ug/L	97
13) Acetone	2.19	43	32421	63.687	ug/L	99
14) Carbon disulfide	2.31	76	109778	23.196	ug/L	99
15) Methyl Acetate	2.46	43	26511	35.694	ug/L	100
16) Methylene chloride	2.53	84	45167	24.608	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	110083	28.043	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	40991	24.885	ug/L	99
19) 1,1-Dichloroethane	3.23	63	75296	26.189	ug/L	98
21) 2-Butanone	4.02	43	37996	60.457	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	49059	26.577	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22792	26.708	ug/L	95
25) Chloroform	4.42	83	85466	26.089	ug/L	98
27) 1,2-Dichloroethane	5.18	62	62552	27.654	ug/L	100
30) Cyclohexane	4.72	56	60648	21.860	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	68380	23.777	ug/L	98
32) Carbon tetrachloride	4.87	117	57241	23.490	ug/L	99
34) Benzene	5.14	78	175473	25.204	ug/L	100
35) Trichloroethene	5.96	95	46469	24.037	ug/L	99
36) Methylcyclohexane	6.18	83	67028	20.879	ug/L	97
40) 1,2-Dichloropropane	6.22	63	42285	24.999	ug/L	98
41) Bromodichloromethane	6.55	83	58703	25.224	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	68529	26.684	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	76844	66.436	ug/L	99
44) Toluene	7.43	91	191947	24.753	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	58456	26.358	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	39460	27.921	ug/L	97
47) Tetrachloroethene	8.02	164	34108	22.335	ug/L	98
49) 2-Hexanone	8.18	43	54836	63.126	ug/L	99
50) Dibromochloromethane	8.29	129	44064	27.492	ug/L	97
51) 1,2-Dibromoethane	8.40	107	40850	29.182	ug/L	94
52) Chlorobenzene	8.93	112	125977	24.967	ug/L	99
53) Ethylbenzene	9.05	91	213435	24.885	ug/L	99
54) m,p-Xylene	9.18	106	80523	24.872	ug/L	99
55) o-xylene	9.59	106	80939	25.473	ug/L	98
56) Styrene	9.60	104	136830	26.403	ug/L	99
57) Isopropylbenzene	9.97	105	205453	24.381	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	55916	30.514	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	40946	31.125	ug/L	97
62) Bromoform	9.77	173	24807	27.071	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	94269	24.091	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	95569	23.994	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	93614	25.712	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9176	34.042	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	64015	23.491	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	49269	25.505	ug/L	97
69) Naphthalene	13.55	128	97375	30.519	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	48398	27.245	ug/L	98

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

