

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010762.D
 Acq On : 09 May 2019 10:25
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

Quant Time: May 10 02:09:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 04:43:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	138180	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	130756	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58155	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	51293	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	1.56	69	39563	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.60%
10) 1,1-Dichloroethene-d2	2.12	63	103040	22.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.52%
20) 2-Butanone-d5	3.93	46	31476	48.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.72%
24) Chloroform-d	4.39	84	95368	25.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	5.07	65	56483	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.04%
29) Benzene-d6	5.09	84	189860	27.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.36%
33) 1,2-Dichloropropane-d6	6.11	67	57676	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.20%
37) Toluene-d8	7.36	98	172998	26.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.00%
38) trans-1,3-Dichloropropene-	7.66	79	26276	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.12%
39) 2-Hexanone-d5	8.13	63	22870	49.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49889	24.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	56540	25.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	63562	33.213	ug/L	98
3) Chloromethane	1.25	50	64341	27.637	ug/L	99
5) Vinyl chloride	1.32	62	66305	24.529	ug/L	98
6) Bromomethane	1.51	94	29643	22.612	ug/L	99
8) Chloroethane	1.58	64	36484	21.672	ug/L	100
9) Trichlorofluoromethane	1.76	101	94744	23.283	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	56227	24.203	ug/L	99
12) 1,1-Dichloroethene	2.13	96	51412	23.634	ug/L	99
13) Acetone	2.18	43	36989	37.091	ug/L	100
14) Carbon disulfide	2.31	76	155874	29.158	ug/L	98
15) Methyl Acetate	2.45	43	30693	25.764	ug/L	99
16) Methylene chloride	2.53	84	56254	26.330	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	146321	26.862	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	55346	28.146	ug/L	96
19) 1,1-Dichloroethane	3.22	63	106393	28.026	ug/L	97
21) 2-Butanone	4.01	43	43785	46.326	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	59815	26.628	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	25676	25.428	ug/L	98
25) Chloroform	4.42	83	106404	25.443	ug/L	97
27) 1,2-Dichloroethane	5.17	62	74132	24.252	ug/L	99
30) Cyclohexane	4.72	56	94663	28.866	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	89835	27.555	ug/L	99
32) Carbon tetrachloride	4.87	117	77226	27.193	ug/L	97
34) Benzene	5.14	78	218741	28.497	ug/L	100
35) Trichloroethene	5.96	95	59023	27.451	ug/L	98
36) Methylcyclohexane	6.17	83	92193	26.754	ug/L	99
40) 1,2-Dichloropropane	6.22	63	56542	27.690	ug/L	99
41) Bromodichloromethane	6.55	83	73588	26.228	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	86824	26.883	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	81945	47.675	ug/L	97
44) Toluene	7.43	91	237688	27.265	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	73031	26.854	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	41509	24.745	ug/L	96
47) Tetrachloroethene	8.02	164	40196	25.814	ug/L	92
49) 2-Hexanone	8.18	43	58990	45.141	ug/L	96
50) Dibromochloromethane	8.29	129	48514	25.150	ug/L	98
51) 1,2-Dibromoethane	8.40	107	40985	25.297	ug/L	100
52) Chlorobenzene	8.92	112	145748	25.590	ug/L	97
53) Ethylbenzene	9.05	91	264655	26.182	ug/L	99
54) m,p-Xylene	9.18	106	99545	26.359	ug/L	99
55) o-xylene	9.59	106	96204	25.683	ug/L	97
56) Styrene	9.60	104	162379	25.629	ug/L	98
57) Isopropylbenzene	9.97	105	258488	25.864	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	53150	24.184	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	40250	23.466	ug/L	100
62) Bromoform	9.77	173	24748	24.991	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	105756	26.125	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	105764	25.577	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	98006	24.927	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	7998	21.922	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	74143	25.426	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	62660	27.772	ug/L	97
69) Naphthalene	13.55	128	301031	62.332	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	57514	27.175	ug/L	98

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

