

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010845.D
 Acq On : 13 May 2019 18:18
 Operator : SY/MD
 Sample : VSTD2.562
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.562

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 7:07:50 AM

Quant Time: May 14 01:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 13 20:37:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128872	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	127126	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	59159	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4370	2.18	ug/L	0.00
7) Chloroethane-d5	1.56	69	3072	1.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	8514	1.96	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2332	3.88	ug/L	0.02
24) Chloroform-d	4.40	84	9542	2.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	5374	2.45	ug/L	0.00
29) Benzene-d6	5.10	84	17944	2.68	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5891	2.76	ug/L	0.00
37) Toluene-d8	7.36	98	17010	2.65	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	2428	2.50	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2016	4.52	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	5071	2.53	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	6362	2.78	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4164	2.333 ug/L	97
3) Chloromethane	1.25	50	5529	2.546 ug/L	93
5) Vinyl chloride	1.32	62	5410	2.146 ug/L #	75
6) Bromomethane	1.51	94	1089	0.891 ug/L	97
8) Chloroethane	1.58	64	2908m	1.852 ug/L	
9) Trichlorofluoromethane	1.76	101	7980	2.103 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4892	2.258 ug/L	96
12) 1,1-Dichloroethene	2.13	96	4156	2.048 ug/L	88
13) Acetone	2.19	43	3850	4.139 ug/L	89
14) Carbon disulfide	2.31	76	12983	2.604 ug/L	98
15) Methyl Acetate	2.46	43	3242	2.918 ug/L #	78
16) Methylene chloride	2.53	84	6506	3.265 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	12086	2.379 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	4877	2.659 ug/L	92
19) 1,1-Dichloroethane	3.22	63	9153	2.585 ug/L	98
21) 2-Butanone	4.03	43	3399m	3.856 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	5293	2.527 ug/L	96
23) Bromochloromethane	4.30	128	2514m	2.670 ug/L	
25) Chloroform	4.42	83	9801	2.513 ug/L	99
27) 1,2-Dichloroethane	5.18	62	6713	2.355 ug/L	97
30) Cyclohexane	4.72	56	7075	2.219 ug/L #	91
31) 1,1,1-Trichloroethane	4.65	97	7728	2.438 ug/L	97
32) Carbon tetrachloride	4.87	117	6619	2.397 ug/L	96
34) Benzene	5.14	78	20291	2.719 ug/L	100
35) Trichloroethene	5.96	95	5276	2.524 ug/L	97
36) Methylcyclohexane	6.17	83	7562	2.257 ug/L #	74
40) 1,2-Dichloropropane	6.22	63	5522	2.782 ug/L #	95
41) Bromodichloromethane	6.55	83	6952	2.549 ug/L #	97
42) cis-1,3-Dichloropropene	7.07	75	6596	2.101 ug/L	92
43) 4-Methyl-2-pentanone	7.27	43	6941	4.154 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	7.43	91	21825	2.575	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	6144	2.324	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	4257	2.610	ug/L	98
47) Tetrachloroethene	8.02	164	4044	2.671	ug/L	86
49) 2-Hexanone	8.19	43	5071	3.991	ug/L #	92
50) Dibromochloromethane	8.29	129	4393	2.342	ug/L	89
51) 1,2-Dibromoethane	8.40	107	3890	2.470	ug/L #	99
52) Chlorobenzene	8.92	112	14611	2.639	ug/L	96
53) Ethylbenzene	9.05	91	22834	2.323	ug/L	97
54) m,p-Xylene	9.18	106	8977	2.445	ug/L	94
55) o-xylene	9.59	106	8143	2.236	ug/L	96
56) Styrene	9.60	104	13302	2.159	ug/L	94
57) Isopropylbenzene	9.97	105	20840	2.145	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	5620	2.630	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	4018	2.409	ug/L	99
62) Bromoform	9.78	173	2120	2.104	ug/L	94
63) 1,3-Dichlorobenzene	11.22	146	10546	2.561	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	11041	2.625	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	10323	2.581	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	715m	1.927	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	8130	2.741	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	5725	2.494	ug/L	95
69) Naphthalene	13.55	128	10254	2.087	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	5220	2.425	ug/L	93

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

