

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030519\
 Data File : VV009483.D
 Acq On : 05 Mar 2019 10:31
 Operator : SY/MD
 Sample : VSTD2.560
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.560

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:10:35 AM

Quant Time: Mar 06 03:46:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 05 11:49:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137101	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	126893	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57463	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3948	2.29	ug/L	0.00
7) Chloroethane-d5	1.58	69	6609	2.95	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	10588	2.32	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2690m	5.18	ug/L	0.02
24) Chloroform-d	4.40	84	8204	2.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	4475	2.43	ug/L	0.00
29) Benzene-d6	5.10	84	15220	2.26	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	4590	2.32	ug/L	0.00
37) Toluene-d8	7.36	98	14338	2.22	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2023	2.05	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2199	5.26	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	5000	2.59	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	5433	2.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3700	2.132 ug/L	97
3) Chloromethane	1.25	50	4023	2.184 ug/L	97
5) Vinyl chloride	1.32	62	4465	2.182 ug/L #	77
6) Bromomethane	1.53	94	6721	3.053 ug/L	96
8) Chloroethane	1.60	64	6381	3.656 ug/L	97
9) Trichlorofluoromethane	1.77	101	8937	2.166 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5028	2.196 ug/L	95
12) 1,1-Dichloroethene	2.14	96	4529	2.300 ug/L	87
13) Acetone	2.21	43	3559m	5.990 ug/L	
14) Carbon disulfide	2.32	76	9963	1.948 ug/L	99
15) Methyl Acetate	2.47	43	2431	3.097 ug/L	98
16) Methylene chloride	2.54	84	5410	2.913 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	9321	2.176 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	3837	2.242 ug/L	92
19) 1,1-Dichloroethane	3.23	63	6609	2.174 ug/L	100
21) 2-Butanone	4.05	43	3978m	5.373 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	4304	2.237 ug/L	89
23) Bromochloromethane	4.29	128	2079m	2.408 ug/L	
25) Chloroform	4.42	83	7807	2.360 ug/L	96
27) 1,2-Dichloroethane	5.19	62	5224	2.283 ug/L #	94
30) Cyclohexane	4.72	56	6217	2.068 ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	6491	2.154 ug/L #	84
32) Carbon tetrachloride	4.88	117	5504	2.141 ug/L	93
34) Benzene	5.15	78	15729	2.223 ug/L	100
35) Trichloroethene	5.96	95	4794	2.448 ug/L	94
36) Methylcyclohexane	6.18	83	7345	2.148 ug/L	93
40) 1,2-Dichloropropane	6.23	63	4088	2.326 ug/L #	89
41) Bromodichloromethane	6.56	83	5002	2.001 ug/L #	96
42) cis-1,3-Dichloropropene	7.07	75	5866	2.100 ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	7174	5.709 ug/L #	97

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

44) Toluene	7.43	91	16966	2.144	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	5045	1.993	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	3363	2.316	ug/L	89
47) Tetrachloroethene	8.02	164	3250	2.240	ug/L	90
49) 2-Hexanone	8.19	43	4998	4.763	ug/L	93
50) Dibromochloromethane	8.29	129	3727	2.052	ug/L	99
51) 1,2-Dibromoethane	8.40	107	3589	2.456	ug/L #	99
52) Chlorobenzene	8.92	112	11877	2.317	ug/L	94
53) Ethylbenzene	9.05	91	19048	2.105	ug/L	91
54) m,p-Xylene	9.18	106	7219	2.048	ug/L	88
55) o-xylene	9.59	106	6638	1.986	ug/L	99
56) Styrene	9.61	104	10960	1.955	ug/L	100
57) Isopropylbenzene	9.98	105	19354	2.119	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	4622	2.341	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	3525	2.507	ug/L #	71
62) Bromoform	9.77	173	2032	1.970	ug/L #	91
63) 1,3-Dichlorobenzene	11.23	146	8852	2.400	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	9657	2.623	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	8232	2.375	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	710m	2.075	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	6324m	2.428	ug/L	
68) 1,2,4-trichlorobenzene	13.31	180	5162	2.553	ug/L	98
69) Naphthalene	13.55	128	9801	2.394	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	4614	2.462	ug/L	97

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

