

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030519\
 Data File : VV009484.D
 Acq On : 05 Mar 2019 10:57
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:10:37 AM

Quant Time: Mar 05 12:00:41 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	173627	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163232	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77299	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10064	4.61	ug/L	0.00
7) Chloroethane-d5	1.58	69	16379	5.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	27067	4.69	ug/L	0.00
20) 2-Butanone-d5	3.96	46	5740m	8.72	ug/L	0.02
24) Chloroform-d	4.40	84	20549	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	11328	4.86	ug/L	0.00
29) Benzene-d6	5.10	84	39469	4.55	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11756	4.62	ug/L	0.00
37) Toluene-d8	7.36	98	38067	4.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	5130	4.04	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4026	7.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11579	4.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	14293	4.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10097	4.594 ug/L	99
3) Chloromethane	1.25	50	11016	4.722 ug/L	96
5) Vinyl chloride	1.32	62	11899	4.591 ug/L	92
6) Bromomethane	1.53	94	12285	4.407 ug/L	95
8) Chloroethane	1.60	64	14826	6.708 ug/L	99
9) Trichlorofluoromethane	1.77	101	25382	4.857 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13779	4.752 ug/L	95
12) 1,1-Dichloroethene	2.14	96	11737	4.707 ug/L	85
13) Acetone	2.21	43	5896	7.836 ug/L	96
14) Carbon disulfide	2.32	76	28672	4.426 ug/L	97
15) Methyl Acetate	2.47	43	5264	5.295 ug/L	92
16) Methylene chloride	2.54	84	12417	5.280 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	25991	4.790 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	10709	4.942 ug/L	97
19) 1,1-Dichloroethane	3.23	63	19201	4.987 ug/L	98
21) 2-Butanone	4.05	43	7138m	7.613 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	11964	4.910 ug/L	89
23) Bromochloromethane	4.30	128	5414	4.951 ug/L	90
25) Chloroform	4.43	83	20891	4.986 ug/L	99
27) 1,2-Dichloroethane	5.18	62	14358	4.954 ug/L	100
30) Cyclohexane	4.73	56	18257	4.722 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	19176	4.946 ug/L	# 83
32) Carbon tetrachloride	4.88	117	14952	4.522 ug/L	99
34) Benzene	5.15	78	42480	4.668 ug/L	100
35) Trichloroethene	5.96	95	12139	4.818 ug/L	96
36) Methylcyclohexane	6.18	83	19520	4.438 ug/L	96
40) 1,2-Dichloropropane	6.22	63	11677	5.165 ug/L	99
41) Bromodichloromethane	6.56	83	14857	4.621 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	15867	4.417 ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	15622	9.664 ug/L	97

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

44) Toluene	7.43	91	48642	4.779	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	13380	4.108	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	8596	4.603	ug/L	94
47) Tetrachloroethene	8.02	164	9645	5.169	ug/L	97
49) 2-Hexanone	8.19	43	11853	8.782	ug/L	93
50) Dibromochloromethane	8.29	129	10555	4.518	ug/L	92
51) 1,2-Dibromoethane	8.40	107	8625	4.588	ug/L	94
52) Chlorobenzene	8.93	112	31874	4.834	ug/L	97
53) Ethylbenzene	9.06	91	57480	4.937	ug/L	92
54) m,p-Xylene	9.18	106	20476	4.515	ug/L	90
55) o-xylene	9.59	106	20217	4.702	ug/L	99
56) Styrene	9.61	104	32099	4.451	ug/L	98
57) Isopropylbenzene	9.98	105	56000	4.767	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	12116	4.771	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	8377	4.631	ug/L	99
62) Bromoform	9.78	173	5608	4.041	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	25291	5.097	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	25720	5.193	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	23137	4.963	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1823	3.960	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	18263	5.213	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	12855	4.726	ug/L	95
69) Naphthalene	13.55	128	23096	4.194	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	11783	4.674	ug/L	96

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

