

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011058.D
 Acq On : 28 May 2019 11:00
 Operator : SY/MD
 Sample : VSTD00567
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 3:42:42 PM

Quant Time: May 28 11:59:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 28 11:51:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	496282	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	455302	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	208884	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36591	6.47	ug/L	0.00
7) Chloroethane-d5	1.56	69	26230	6.85	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	65943	6.06	ug/L	0.00
20) 2-Butanone-d5	3.94	46	19954m	10.22	ug/L	0.00
24) Chloroform-d	4.40	84	47545	3.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	38340	5.06	ug/L	0.00
29) Benzene-d6	5.09	84	140168	5.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	43160	5.46	ug/L	0.00
37) Toluene-d8	7.36	98	123839	5.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	19271	5.94	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	19507	13.24	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	36739	4.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	41553	4.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	40552	5.535 ug/L	99
3) Chloromethane	1.25	50	39381	5.934 ug/L	99
5) Vinyl chloride	1.32	62	37080	5.563 ug/L	89
6) Bromomethane	1.51	94	13928	5.993 ug/L	98
8) Chloroethane	1.58	64	21003	6.297 ug/L	97
9) Trichlorofluoromethane	1.75	101	50359	4.740 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	28730	4.742 ug/L	99
12) 1,1-Dichloroethene	2.13	96	25879	4.941 ug/L	95
13) Acetone	2.19	43	24532	13.031 ug/L	99
14) Carbon disulfide	2.31	76	84862	5.786 ug/L	99
15) Methyl Acetate	2.45	43	20476	5.661 ug/L #	100
16) Methylene chloride	2.52	84	36800	4.321 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	94967	5.125 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	34920	4.833 ug/L	99
19) 1,1-Dichloroethane	3.22	63	67146	5.104 ug/L	98
21) 2-Butanone	4.03	43	28945	11.235 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	39098	4.860 ug/L	97
23) Bromochloromethane	4.29	128	16113	4.227 ug/L	92
25) Chloroform	4.42	83	81560	5.479 ug/L	97
27) 1,2-Dichloroethane	5.18	62	45351	4.956 ug/L	98
30) Cyclohexane	4.72	56	71744	7.583 ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	54121	5.284 ug/L	99
32) Carbon tetrachloride	4.87	117	45896	4.914 ug/L	99
34) Benzene	5.14	78	142497	5.429 ug/L	100
35) Trichloroethene	5.96	95	38404	5.296 ug/L	95
36) Methylcyclohexane	6.17	83	66067	6.162 ug/L	99
40) 1,2-Dichloropropane	6.22	63	37171	5.389 ug/L	100
41) Bromodichloromethane	6.55	83	45967	4.986 ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	57612	5.611 ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	67949	13.742 ug/L	100

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44) Toluene	7.43	91	154961	5.320	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	49252	5.695	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	27986	4.761	ug/L	93
47) Tetrachloroethene	8.02	164	26820	4.738	ug/L	98
49) 2-Hexanone	8.18	43	45228	12.528	ug/L	100
50) Dibromochloromethane	8.29	129	30482	4.406	ug/L	91
51) 1,2-Dibromoethane	8.40	107	26155	4.601	ug/L	95
52) Chlorobenzene	8.92	112	93895	4.703	ug/L	98
53) Ethylbenzene	9.05	91	178352	5.620	ug/L	100
54) m,p-Xylene	9.18	106	65702	5.312	ug/L	100
55) o-xylene	9.59	106	62553	5.301	ug/L	91
56) Styrene	9.60	104	106224	5.223	ug/L	99
57) Isopropylbenzene	9.97	105	171256	5.501	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	36859	4.763	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	27925	4.912	ug/L	97
62) Bromoform	9.77	173	17471	4.712	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	71197	4.997	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	70418	4.799	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	66487	4.813	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6798	6.195	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	51888	4.965	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	39618	4.796	ug/L	97
69) Naphthalene	13.55	128	73758	4.454	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	35359	4.385	ug/L	98

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

