

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010956.D
 Acq On : 20 May 2019 13:10
 Operator : SY/MD
 Sample : VSTD02567
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02567

Manual Integrations
 APPROVED

MMDadoda
 5/25/2019 1:42:57 AM

Quant Time: May 20 13:53:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 20 12:33:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	139532	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144153	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71535	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38705	21.77	ug/L	0.00
7) Chloroethane-d5	1.57	69	26890	23.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	74847	22.25	ug/L	0.00
20) 2-Butanone-d5	3.94	46	27313	48.84	ug/L	0.00
24) Chloroform-d	4.40	84	88313	21.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	51791	22.61	ug/L	0.00
29) Benzene-d6	5.10	84	193152	24.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	59186	23.25	ug/L	0.00
37) Toluene-d8	7.36	98	183513	23.93	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	25191	22.69	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	21603	44.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57297	24.27	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	68598	22.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	50028	32.317	ug/L	99
3) Chloromethane	1.25	50	45730	24.666	ug/L	99
5) Vinyl chloride	1.32	62	47057	23.575	ug/L	96
6) Bromomethane	1.51	94	19042	41.102	ug/L	98
8) Chloroethane	1.59	64	24015	23.263	ug/L	94
9) Trichlorofluoromethane	1.76	101	76973	26.939	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43972	25.514	ug/L	96
12) 1,1-Dichloroethene	2.13	96	37646	23.413	ug/L	98
13) Acetone	2.19	43	24170	42.428	ug/L	93
14) Carbon disulfide	2.31	76	102275	21.117	ug/L	100
15) Methyl Acetate	2.46	43	26439	22.283	ug/L	93
16) Methylene chloride	2.53	84	57076	25.347	ug/L	92
17) Methyl tert-butyl Ether	2.80	73	131990	25.140	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	52221	27.264	ug/L	95
19) 1,1-Dichloroethane	3.22	63	96529	26.031	ug/L	98
21) 2-Butanone	4.02	43	36702	49.912	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	58031	25.890	ug/L	95
23) Bromochloromethane	4.29	128	26848	25.714	ug/L	93
25) Chloroform	4.42	83	110037	27.355	ug/L	99
27) 1,2-Dichloroethane	5.18	62	65624	23.382	ug/L #	94
30) Cyclohexane	4.72	56	76229	27.505	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	83979	26.823	ug/L	98
32) Carbon tetrachloride	4.87	117	75756	28.354	ug/L	100
34) Benzene	5.14	78	214900	25.578	ug/L	100
35) Trichloroethene	5.96	95	58124	26.692	ug/L	97
36) Methylcyclohexane	6.17	83	87936m	29.019	ug/L	
40) 1,2-Dichloropropane	6.22	63	53777	23.500	ug/L	99
41) Bromodichloromethane	6.55	83	74386	25.349	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	83841	25.113	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	75980	47.014	ug/L	94

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

44) Toluene	7.43	91	242928	26.011	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	71112	25.203	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	47487	25.766	ug/L	94
47) Tetrachloroethene	8.02	164	46395	28.834	ug/L	99
49) 2-Hexanone	8.18	43	54235	45.439	ug/L	94
50) Dibromochloromethane	8.29	129	55972	27.303	ug/L	99
51) 1,2-Dibromoethane	8.40	107	44894	25.857	ug/L	98
52) Chlorobenzene	8.93	112	161132	25.333	ug/L	97
53) Ethylbenzene	9.05	91	265025	25.902	ug/L	99
54) m,p-Xylene	9.18	106	105040	26.056	ug/L	98
55) o-xylene	9.59	106	101114	25.529	ug/L	99
56) Styrene	9.60	104	175958	25.909	ug/L	98
57) Isopropylbenzene	9.97	105	263888	26.617	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	60187	24.728	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	43632	24.741	ug/L	98
62) Bromoform	9.77	173	29773	26.664	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	123362	24.959	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	128008	25.001	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	121813	24.703	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	9157	24.796	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	90632	25.161	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	71904	24.722	ug/L	99
69) Naphthalene	13.55	128	144497	23.716	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	70693	25.537	ug/L	100

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

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