

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010412.D
 Acq On : 22 Apr 2019 13:34
 Operator : SY/MD
 Sample : VSTD02579
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02579

Quant Time: Apr 22 14:05:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 22 14:00:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	483443	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	476786	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	256644	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	153948	25.08	ug/L	0.00
7) Chloroethane-d5	1.57	69	123957	24.04	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	291511	19.68	ug/L	0.00
20) 2-Butanone-d5	3.93	46	77068	40.31	ug/L	0.00
24) Chloroform-d	4.40	84	288858	22.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	178714	23.82	ug/L	0.00
29) Benzene-d6	5.10	84	544826	22.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	157074	21.99	ug/L	0.00
37) Toluene-d8	7.36	98	559246	23.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	81012	23.06	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	64218	40.38	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	154420	21.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	239522	23.74	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	175628	23.950	ug/L	100
3) Chloromethane	1.25	50	142614	22.378	ug/L	100
5) Vinyl chloride	1.32	62	174961	26.281	ug/L	100
6) Bromomethane	1.52	94	105589	24.796	ug/L	100
8) Chloroethane	1.59	64	95031	22.397	ug/L	100
9) Trichlorofluoromethane	1.77	101	300245	21.959	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	167351	23.235	ug/L	100
12) 1,1-Dichloroethene	2.14	96	146899	23.390	ug/L	100
13) Acetone	2.19	43	69368	34.382	ug/L	100
14) Carbon disulfide	2.31	76	315644	20.376	ug/L	100
15) Methyl Acetate	2.46	43	58064	17.631	ug/L	100
16) Methylene chloride	2.53	84	142075	18.399	ug/L	100
17) Methyl tert-butyl Ether	2.80	73	344601	22.785	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	128069	21.497	ug/L	100
19) 1,1-Dichloroethane	3.23	63	234321	23.025	ug/L	100
21) 2-Butanone	4.02	43	84822	38.783	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	148849	21.933	ug/L	100
23) Bromochloromethane	4.30	128	71200	20.962	ug/L	100
25) Chloroform	4.42	83	281305	23.720	ug/L	100
27) 1,2-Dichloroethane	5.18	62	194116	22.909	ug/L	100
30) Cyclohexane	4.72	56	198194	22.681	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	256745	24.425	ug/L	100
32) Carbon tetrachloride	4.87	117	237159	23.912	ug/L	100
34) Benzene	5.15	78	515908	22.174	ug/L	100
35) Trichloroethene	5.96	95	157864	22.933	ug/L	100
36) Methylcyclohexane	6.18	83	232237	23.169	ug/L	100
40) 1,2-Dichloropropane	6.22	63	135913	22.776	ug/L	100
41) Bromodichloromethane	6.55	83	198259	23.676	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	226616	25.179	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	184874	39.653	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	610336	23.269	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	200311	23.871	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	115536	21.491	ug/L	100
47) Tetrachloroethene	8.02	164	138463	22.543	ug/L	100
49) 2-Hexanone	8.18	43	138606	42.473	ug/L	100
50) Dibromochloromethane	8.29	129	155654	23.581	ug/L	100
51) 1,2-Dibromoethane	8.40	107	114025	21.387	ug/L	100
52) Chlorobenzene	8.92	112	426600	23.375	ug/L	100
53) Ethylbenzene	9.05	91	720735	24.186	ug/L	100
54) m,p-Xylene	9.18	106	281995	24.446	ug/L	100
55) o-xylene	9.59	106	278739	25.055	ug/L	100
56) Styrene	9.60	104	465143	24.486	ug/L	100
57) Isopropylbenzene	9.97	105	759386	25.617	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	143485	20.640	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	107211	21.298	ug/L	100
62) Bromoform	9.78	173	90409	22.787	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	365084	23.325	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	369872	22.920	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	347281	22.981	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	24345	20.158	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	296552	22.780	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	226767	21.797	ug/L	100
69) Naphthalene	13.55	128	357498	18.608	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	211597	20.931	ug/L	100

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

