

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003542.D
 Acq On : 19 Nov 2020 11:47
 Operator : SY/MD
 Sample : VSTD00577
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00577

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:34 AM

Quant Time: Nov 19 12:34:42 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 19 12:23:20 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	241387	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	218966	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	106285	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	16642	8.11	ug/L	0.00
7) Chloroethane-d5	2.77	69	14259	6.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	37669	5.96	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13776m	10.84	ug/L	0.00
24) Chloroform-d	7.49	84	33222	5.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	18295	5.34	ug/L	0.00
29) Benzene-d6	8.11	84	70109	5.53	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	19864	5.27	ug/L	0.00
37) Toluene-d8	10.18	98	60406	5.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	9768	5.30	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	9386	10.04	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	16359	5.20	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	17626	5.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	5670m	4.221	ug/L
3) Chloromethane	2.11	50	13394	4.906	ug/L
5) Vinyl chloride	2.26	62	15171	5.773	ug/L
6) Bromomethane	2.66	94	12608	5.229	ug/L
8) Chloroethane	2.80	64	11212	5.341	ug/L
9) Trichlorofluoromethane	3.13	101	14724	4.903	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	15898	5.140	ug/L
12) 1,1-Dichloroethene	3.88	96	16966	5.105	ug/L
13) Acetone	3.97	43	10221m	10.548	ug/L
14) Carbon disulfide	4.20	76	55482	5.177	ug/L
15) Methyl Acetate	4.49	43	12662	5.383	ug/L
16) Methylene chloride	4.72	84	22465	4.842	ug/L
17) Methyl tert-butyl Ether	5.23	73	26178	4.985	ug/L
18) trans-1,2-Dichloroethene	5.22	96	17754	4.998	ug/L
19) 1,1-Dichloroethane	6.02	63	30089	4.954	ug/L
21) 2-Butanone	7.00	43	16211	10.283	ug/L
22) cis-1,2-Dichloroethene	6.99	96	18301	4.926	ug/L
23) Bromochloromethane	7.34	128	9034	5.051	ug/L
25) Chloroform	7.52	83	30407	5.110	ug/L
27) 1,2-Dichloroethane	8.24	62	20844	5.180	ug/L
30) Cyclohexane	7.79	56	25006	4.806	ug/L
31) 1,1,1-Trichloroethane	7.71	97	24067	5.246	ug/L
32) Carbon tetrachloride	7.90	117	22358	5.151	ug/L
34) Benzene	8.16	78	71113	5.105	ug/L
35) Trichloroethene	8.94	95	17478	5.008	ug/L
36) Methylcyclohexane	9.19	83	26584	4.920	ug/L
40) 1,2-Dichloropropane	9.22	63	17435	5.050	ug/L
41) Bromodichloromethane	9.50	83	21856	4.942	ug/L
42) cis-1,3-Dichloropropene	9.93	75	26685	4.916	ug/L
43) 4-Methyl-2-pentanone	10.07	43	27099	9.239	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	74217	5.133	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	24359	4.920	ug/L	100
46) 1,1,2-Trichloroethane	10.64	97	14011	5.055	ug/L	96
47) Tetrachloroethene	10.72	164	15252	4.956	ug/L	89
49) 2-Hexanone	10.83	43	22466	10.340	ug/L	97
50) Dibromochloromethane	10.99	129	16427	5.034	ug/L	89
51) 1,2-Dibromoethane	11.09	107	13699	4.978	ug/L	94
52) Chlorobenzene	11.52	112	47809	5.154	ug/L	97
53) Ethylbenzene	11.59	91	73674	5.016	ug/L	98
54) m,p-Xylene	11.70	106	27905	4.874	ug/L	96
55) o-xylene	12.03	106	23254	4.830	ug/L	97
56) Styrene	12.05	104	46171	4.938	ug/L	97
57) Isopropylbenzene	12.33	105	52287	4.927	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.58	83	15565	5.030	ug/L	94
59) 1,2,3-Trichloropropane	12.63	75	12852	5.331	ug/L	98
62) Bromoform	12.20	173	10937	5.000	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	34746	5.184	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	36068	5.230	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	28412	5.161	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.36	75	2365	5.472	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	18058	5.151	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	14677	4.825	ug/L	96
69) Naphthalene	15.23	128	24669	4.578	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	11913	5.171	ug/L	96

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

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