

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003534.D
 Acq On : 18 Nov 2020 17:46
 Operator : SY/MD
 Sample : VSTD00582
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:51 AM

Quant Time: Nov 19 03:29:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 19 03:03:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	259046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	231395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	113835	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	12029	5.35	ug/L	0.00
7) Chloroethane-d5	2.77	69	14200	6.38	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	35660	5.79	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13584	9.88	ug/L	0.00
24) Chloroform-d	7.48	84	32681	5.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	18660	5.50	ug/L	0.00
29) Benzene-d6	8.11	84	69790	5.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	20394	5.46	ug/L	0.00
37) Toluene-d8	10.18	98	60209	5.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	9732	5.38	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	9008	9.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	16497	5.15	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	17471	5.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	6755m	4.121	ug/L
3) Chloromethane	2.12	50	14030	4.814	ug/L
5) Vinyl chloride	2.26	62	11658	3.584	ug/L
6) Bromomethane	2.66	94	12378	5.021	ug/L
8) Chloroethane	2.80	64	10943	4.906	ug/L
9) Trichlorofluoromethane	3.13	101	14360	4.403	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	16175	4.988	ug/L
12) 1,1-Dichloroethene	3.88	96	17395	4.994	ug/L
13) Acetone	3.97	43	10686m	11.582	ug/L
14) Carbon disulfide	4.20	76	53576	4.593	ug/L
15) Methyl Acetate	4.49	43	12652	5.228	ug/L
16) Methylene chloride	4.72	84	25442	6.252	ug/L
17) Methyl tert-butyl Ether	5.23	73	27225	4.818	ug/L
18) trans-1,2-Dichloroethene	5.22	96	18565	4.996	ug/L
19) 1,1-Dichloroethane	6.03	63	32039	5.024	ug/L
21) 2-Butanone	7.00	43	16919	10.425	ug/L
22) cis-1,2-Dichloroethene	6.99	96	19313	4.946	ug/L
23) Bromochloromethane	7.35	128	9225	4.829	ug/L
25) Chloroform	7.51	83	31156	5.020	ug/L
27) 1,2-Dichloroethane	8.24	62	21501	5.052	ug/L
30) Cyclohexane	7.79	56	26550	4.872	ug/L
31) 1,1,1-Trichloroethane	7.71	97	23508	4.867	ug/L
32) Carbon tetrachloride	7.90	117	22037	4.997	ug/L
34) Benzene	8.16	78	74387	5.113	ug/L
35) Trichloroethene	8.94	95	18714	5.220	ug/L
36) Methylcyclohexane	9.19	83	26436	5.021	ug/L
40) 1,2-Dichloropropane	9.22	63	18353	5.048	ug/L
41) Bromodichloromethane	9.50	83	23226	5.093	ug/L
42) cis-1,3-Dichloropropene	9.93	75	27735	4.846	ug/L
43) 4-Methyl-2-pentanone	10.07	43	31101	10.517	ug/L

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

44) Toluene	10.24	91	74806	4.940	ug/L	96
45) trans-1,3-Dichloropropene	10.47	75	25863	4.966	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	14710	5.044	ug/L	97
47) Tetrachloroethene	10.72	164	16626	5.452	ug/L	97
49) 2-Hexanone	10.83	43	22134	9.344	ug/L	99
50) Dibromochloromethane	10.99	129	16958	4.902	ug/L	91
51) 1,2-Dibromoethane	11.09	107	14512	5.060	ug/L #	100
52) Chlorobenzene	11.52	112	49802	5.172	ug/L	98
53) Ethylbenzene	11.59	91	74314	4.812	ug/L	99
54) m,p-Xylene	11.70	106	29651	5.006	ug/L	92
55) o-xylene	12.03	106	24037	4.854	ug/L	92
56) Styrene	12.05	104	47841	4.764	ug/L	94
57) Isopropylbenzene	12.33	105	53332	4.896	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.58	83	15778	4.789	ug/L	95
59) 1,2,3-Trichloropropane	12.63	75	12854	5.182	ug/L	97
62) Bromoform	12.20	173	11235	4.935	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	35903	5.191	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	36565	5.179	ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	29129	5.084	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	2287	5.022	ug/L	93
67) 1,3,5-Trichlorobenzene	14.50	180	18637	5.151	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	15250	4.865	ug/L	94
69) Naphthalene	15.23	128	25399	4.460	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	11659	4.858	ug/L	94

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

