

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111820\
 Data File : VY003533.D
 Acq On : 18 Nov 2020 17:24
 Operator : SY/MD
 Sample : VSTD2.581
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.581

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:48 AM

Quant Time: Nov 19 03:27:37 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	231776	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210052	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	98009	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	2601	1.29	ug/L	0.00
7) Chloroethane-d5	2.77	69	6561	3.30	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	16890	3.07	ug/L	0.00
20) 2-Butanone-d5	6.91	46	5684	4.62	ug/L	0.00
24) Chloroform-d	7.49	84	15625	2.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	8838	2.91	ug/L	0.00
29) Benzene-d6	8.11	84	32987	2.93	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	9375	2.76	ug/L	0.00
37) Toluene-d8	10.18	98	27195	2.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	4470	2.72	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	4150	4.70	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	7264	2.50	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	7800	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	2601	1.773 ug/L #	77
3) Chloromethane	2.12	50	6888	2.642 ug/L	98
5) Vinyl chloride	2.26	62	2842	0.976 ug/L	97
6) Bromomethane	2.67	94	5807	2.633 ug/L	95
8) Chloroethane	2.81	64	4947	2.479 ug/L	89
9) Trichlorofluoromethane	3.13	101	7270	2.491 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	7594	2.617 ug/L #	84
12) 1,1-Dichloroethene	3.87	96	8121m	2.606 ug/L	
13) Acetone	3.97	43	6452m	7.816 ug/L	
14) Carbon disulfide	4.20	76	25613	2.454 ug/L	99
15) Methyl Acetate	4.50	43	5991	2.767 ug/L #	62
16) Methylene chloride	4.73	84	18473	5.073 ug/L	98
17) Methyl tert-butyl Ether	5.22	73	12942	2.560 ug/L #	90
18) trans-1,2-Dichloroethene	5.23	96	9238	2.778 ug/L	92
19) 1,1-Dichloroethane	6.03	63	15412	2.701 ug/L	98
21) 2-Butanone	7.01	43	8930	6.150 ug/L	75
22) cis-1,2-Dichloroethene	6.99	96	9456	2.707 ug/L	94
23) Bromochloromethane	7.35	128	4719	2.761 ug/L	83
25) Chloroform	7.52	83	15076	2.715 ug/L	98
27) 1,2-Dichloroethane	8.24	62	10116	2.657 ug/L	99
30) Cyclohexane	7.79	56	11384	2.301 ug/L	94
31) 1,1,1-Trichloroethane	7.71	97	11256	2.567 ug/L	96
32) Carbon tetrachloride	7.91	117	10450	2.611 ug/L	100
34) Benzene	8.17	78	35600	2.696 ug/L	100
35) Trichloroethene	8.94	95	8926	2.743 ug/L	98
36) Methylcyclohexane	9.19	83	12445	2.604 ug/L	95
40) 1,2-Dichloropropane	9.22	63	8863	2.685 ug/L	99
41) Bromodichloromethane	9.50	83	11066	2.673 ug/L	95
42) cis-1,3-Dichloropropene	9.93	75	12885	2.480 ug/L	93
43) 4-Methyl-2-pentanone	10.08	43	14338	5.341 ug/L	98

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44) Toluene	10.24	91	34903	2.539	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	11553	2.444	ug/L	97
46) 1,1,2-Trichloroethane	10.64	97	6931	2.618	ug/L	96
47) Tetrachloroethene	10.72	164	7802	2.818	ug/L	90
49) 2-Hexanone	10.83	43	9730	4.525	ug/L	99
50) Dibromochloromethane	10.99	129	7651	2.436	ug/L	87
51) 1,2-Dibromoethane	11.09	107	6821	2.620	ug/L	94
52) Chlorobenzene	11.52	112	22906	2.621	ug/L	97
53) Ethylbenzene	11.59	91	33881	2.417	ug/L	95
54) m,p-Xylene	11.70	106	13256	2.465	ug/L	97
55) o-xylene	12.03	106	11134	2.477	ug/L	99
56) Styrene	12.05	104	20389	2.236	ug/L	99
57) Isopropylbenzene	12.33	105	24192	2.447	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7307	2.443	ug/L	96
59) 1,2,3-Trichloropropane	12.63	75	5736	2.547	ug/L	92
62) Bromoform	12.20	173	5246	2.676	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	16059	2.697	ug/L	96
64) 1,4-Dichlorobenzene	13.44	146	17296	2.846	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	13104	2.657	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.35	75	982m	2.505	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	8376	2.689	ug/L	100
68) 1,2,4-trichlorobenzene	15.00	180	6817	2.526	ug/L	99
69) Naphthalene	15.23	128	11536	2.353	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	5516	2.670	ug/L	99

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

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