

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\
 Data File : VY003744.D
 Acq On : 14 Dec 2020 12:24
 Operator : SY/MD
 Sample : VSTD00579
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00579

Manual Integrations
 APPROVED

MMDadoda
 12/16/2020 12:35:40 PM

Quant Time: Dec 14 13:24:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM121420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 13:19:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	361817	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	335822	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	171920	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	25167	5.02	ug/L	0.00
7) Chloroethane-d5	2.77	69	19026	5.01	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	53488	5.52	ug/L	0.00
20) 2-Butanone-d5	6.90	46	21462	11.18	ug/L	0.00
24) Chloroform-d	7.49	84	48388	5.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	26980	5.16	ug/L	0.00
29) Benzene-d6	8.12	84	98983	5.13	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	30584	5.29	ug/L	0.00
37) Toluene-d8	10.18	98	89418	5.17	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	14301	5.19	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	15806	10.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	27193	5.29	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	31085	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	32199	7.345 ug/L	99
3) Chloromethane	2.12	50	28967	6.278 ug/L	99
5) Vinyl chloride	2.26	62	28769	5.957 ug/L	94
6) Bromomethane	2.66	94	17078	5.591 ug/L	95
8) Chloroethane	2.80	64	16866	5.768 ug/L	96
9) Trichlorofluoromethane	3.14	101	44044	5.974 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	26804	5.704 ug/L	100
12) 1,1-Dichloroethene	3.88	96	25020	5.680 ug/L	97
13) Acetone	3.96	43	15074	10.940 ug/L	99
14) Carbon disulfide	4.21	76	88093	5.899 ug/L	98
15) Methyl Acetate	4.49	43	18932	5.441 ug/L	99
16) Methylene chloride	4.73	84	35709	5.541 ug/L	95
17) Methyl tert-butyl Ether	5.23	73	68391	5.457 ug/L	100
18) trans-1,2-Dichloroethene	5.24	96	27750m	5.595 ug/L	
19) 1,1-Dichloroethane	6.03	63	46711	5.557 ug/L	99
21) 2-Butanone	7.00	43	26345	10.863 ug/L	97
22) cis-1,2-Dichloroethene	7.00	96	28888	5.482 ug/L	95
23) Bromochloromethane	7.34	128	13499	5.137 ug/L	91
25) Chloroform	7.51	83	46274	5.479 ug/L	98
27) 1,2-Dichloroethane	8.25	62	32701	5.715 ug/L	97
30) Cyclohexane	7.80	56	44384	5.848 ug/L	98
31) 1,1,1-Trichloroethane	7.71	97	40671	5.526 ug/L	99
32) Carbon tetrachloride	7.91	117	36018	5.548 ug/L	97
34) Benzene	8.17	78	108549	5.540 ug/L	100
35) Trichloroethene	8.94	95	28510	5.311 ug/L	99
36) Methylcyclohexane	9.19	83	48189	5.779 ug/L	99
40) 1,2-Dichloropropane	9.22	63	27460	5.552 ug/L	100
41) Bromodichloromethane	9.50	83	33885	5.417 ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	42469	5.453 ug/L	97
43) 4-Methyl-2-pentanone	10.08	43	53200	11.338 ug/L	99

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44) Toluene	10.25	91	114934	5.569	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	38357	5.341	ug/L	99
46) 1,1,2-Trichloroethane	10.65	97	22259	5.270	ug/L	98
47) Tetrachloroethene	10.72	164	22649	5.436	ug/L	94
49) 2-Hexanone	10.83	43	35323	10.692	ug/L	99
50) Dibromochloromethane	10.98	129	25495	5.165	ug/L	95
51) 1,2-Dibromoethane	11.09	107	22238	5.417	ug/L #	96
52) Chlorobenzene	11.51	112	72896	5.393	ug/L	99
53) Ethylbenzene	11.59	91	123551	5.470	ug/L	97
54) m,p-Xylene	11.70	106	45832	5.282	ug/L	99
55) o-xylene	12.03	106	44659	5.363	ug/L	96
56) Styrene	12.04	104	73432	5.164	ug/L	98
57) Isopropylbenzene	12.33	105	117187	5.376	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	26342	5.702	ug/L	97
59) 1,2,3-Trichloropropane	12.64	75	22672	5.576	ug/L	96
62) Bromoform	12.21	173	17333	5.252	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	56041	5.400	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	57325	5.454	ug/L	98
65) 1,2-Dichlorobenzene	13.74	146	51610	5.429	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	4865	5.468	ug/L	90
67) 1,3,5-Trichlorobenzene	14.50	180	38845	5.301	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	32372	5.198	ug/L	98
69) Naphthalene	15.23	128	68387	5.124	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	29138	5.136	ug/L	99

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

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