

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY111920\
 Data File : VY003541.D
 Acq On : 19 Nov 2020 11:25
 Operator : SY/MD
 Sample : VSTD2.582
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.582

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:30 AM

Quant Time: Nov 19 12:31:54 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	232074	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	207577	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	99497	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	7726	3.92	ug/L	0.00
7) Chloroethane-d5	2.78	69	7442	3.26	ug/L	0.01
10) 1,1-Dichloroethene-d2	3.86	63	18937	3.12	ug/L	0.00
20) 2-Butanone-d5	6.91	46	6468	5.29	ug/L	0.00
24) Chloroform-d	7.49	84	16686	2.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	9717	2.95	ug/L	0.00
29) Benzene-d6	8.11	84	34476	2.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.12	67	9836	2.75	ug/L	0.00
37) Toluene-d8	10.18	98	29919	2.80	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	4884	2.80	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	4411	4.98	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	8323	2.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	9131	2.90	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.92	85	2829m	2.191 ug/L	
3) Chloromethane	2.12	50	7039	2.682 ug/L	92
5) Vinyl chloride	2.26	62	7398	2.928 ug/L	100
6) Bromomethane	2.67	94	6084	2.625 ug/L	98
8) Chloroethane	2.82	64	5427m	2.689 ug/L	
9) Trichlorofluoromethane	3.13	101	7084	2.454 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	8465m	2.847 ug/L	
12) 1,1-Dichloroethene	3.88	96	7991	2.501 ug/L	86
13) Acetone	3.97	43	5700m	6.118 ug/L	
14) Carbon disulfide	4.20	76	27566	2.675 ug/L	97
15) Methyl Acetate	4.49	43	6390	2.826 ug/L	97
16) Methylene chloride	4.72	84	13994	3.138 ug/L	96
17) Methyl tert-butyl Ether	5.22	73	12637	2.503 ug/L	# 69
18) trans-1,2-Dichloroethene	5.23	96	8834	2.587 ug/L	95
19) 1,1-Dichloroethane	6.03	63	14566	2.495 ug/L	98
21) 2-Butanone	7.00	43	9115	6.014 ug/L	91
22) cis-1,2-Dichloroethene	6.99	96	8724	2.442 ug/L	94
23) Bromochloromethane	7.35	128	4345m	2.527 ug/L	
25) Chloroform	7.51	83	14794	2.586 ug/L	99
27) 1,2-Dichloroethane	8.24	62	9785	2.529 ug/L	# 93
30) Cyclohexane	7.78	56	12153	2.464 ug/L	95
31) 1,1,1-Trichloroethane	7.71	97	11673	2.684 ug/L	98
32) Carbon tetrachloride	7.90	117	11100m	2.698 ug/L	
34) Benzene	8.16	78	34187	2.589 ug/L	100
35) Trichloroethene	8.94	95	8922	2.697 ug/L	95
36) Methylcyclohexane	9.18	83	12733	2.486 ug/L	99
40) 1,2-Dichloropropane	9.22	63	8387	2.563 ug/L	# 94
41) Bromodichloromethane	9.50	83	10450	2.492 ug/L	# 96
42) cis-1,3-Dichloropropene	9.93	75	12259	2.383 ug/L	91
43) 4-Methyl-2-pentanone	10.07	43	12864	4.627 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.24	91	34679	2.530	ug/L	96
45) trans-1,3-Dichloropropene	10.47	75	11661	2.485	ug/L	99
46) 1,1,2-Trichloroethane	10.64	97	6452	2.456	ug/L	93
47) Tetrachloroethene	10.72	164	7380	2.530	ug/L	97
49) 2-Hexanone	10.83	43	10172	4.939	ug/L	99
50) Dibromochloromethane	10.99	129	7827	2.530	ug/L	99
51) 1,2-Dibromoethane	11.09	107	6412	2.458	ug/L	93
52) Chlorobenzene	11.52	112	22812	2.594	ug/L	97
53) Ethylbenzene	11.60	91	34638	2.487	ug/L	99
54) m,p-Xylene	11.70	106	13328	2.456	ug/L	98
55) o-xylene	12.03	106	10706	2.345	ug/L	97
56) Styrene	12.05	104	20405	2.302	ug/L	99
57) Isopropylbenzene	12.33	105	25254	2.510	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	7975	2.718	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	6075	2.658	ug/L	98
62) Bromoform	12.20	173	5130	2.505	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	16528	2.634	ug/L	93
64) 1,4-Dichlorobenzene	13.44	146	17705	2.742	ug/L	94
65) 1,2-Dichlorobenzene	13.73	146	13377	2.596	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	1247	3.082	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.50	180	8710	2.654	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	7105	2.495	ug/L	99
69) Naphthalene	15.23	128	11834	2.346	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	5473	2.538	ug/L	98

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

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