

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003629.D
 Acq On : 01 Dec 2020 11:12
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005405

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 1:28:51 PM

Quant Time: Dec 01 12:00:09 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 01 11:48:23 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	252286	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	232373	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118723	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	18765	5.18	ug/L	0.00
7) Chloroethane-d5	2.77	69	14080	5.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	34099	4.88	ug/L	0.00
21) 2-Butanone-d5	6.91	46	13758	10.12	ug/L	0.00
24) Chloroform-d	7.49	84	32308	4.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	17222	4.65	ug/L	0.00
32) Benzene-d6	8.11	84	67192	4.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	20104	4.96	ug/L	0.00
41) Toluene-d8	10.18	98	60256	4.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	8937	4.55	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	9946	9.84	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	19740	4.87	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	20895	4.87	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	14973	4.967	ug/L	98
3) Chloromethane	2.11	50	16311	4.743	ug/L	99
5) Vinyl chloride	2.25	62	17469	4.754	ug/L	92
6) Bromomethane	2.65	94	10678	4.384	ug/L	98
8) Chloroethane	2.80	64	11083	5.048	ug/L	97
9) Trichlorofluoromethane	3.13	101	25933	4.670	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	17997m	5.171	ug/L	
12) 1,1-Dichloroethene	3.88	96	15986	4.878	ug/L	95
13) Acetone	3.96	43	9937	8.973	ug/L	91
14) Carbon disulfide	4.20	76	54181	4.853	ug/L #	93
15) Methyl Acetate	4.48	43	12196	5.133	ug/L	100
16) Methylene chloride	4.73	84	22721	4.519	ug/L	92
17) trans-1,2-Dichloroethene	5.23	96	17978	5.059	ug/L	88
18) Methyl tert-butyl Ether	5.23	73	42205	4.819	ug/L #	92
19) 1,1-Dichloroethane	6.03	63	30125	4.870	ug/L	100
20) cis-1,2-Dichloroethene	6.99	96	18534	4.878	ug/L	91
22) 2-Butanone	7.00	43	16978	10.143	ug/L	98
23) Bromochloromethane	7.34	128	9109	4.896	ug/L	90
25) Chloroform	7.51	83	30225	4.862	ug/L	94
27) 1,2-Dichloroethane	8.24	62	19816	4.799	ug/L	99
29) Cyclohexane	7.79	56	26774	4.781	ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	26546	4.819	ug/L	97
31) Carbon tetrachloride	7.90	117	24183	4.844	ug/L	99
33) Benzene	8.17	78	71367	4.999	ug/L	100
34) Trichloroethene	8.94	95	18021	5.075	ug/L	95
35) Methylcyclohexane	9.19	83	29598	4.823	ug/L	99
37) 1,2-Dichloropropane	9.22	63	18493	5.153	ug/L	99
38) Bromodichloromethane	9.50	83	22730	4.966	ug/L	98
39) cis-1,3-Dichloropropene	9.93	75	27111	4.826	ug/L	100
40) 4-Methyl-2-pentanone	10.07	43	30551	9.637	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.25	91	73847	4.894	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	25769	4.998	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	15234	5.102	ug/L	97
46) Tetrachloroethene	10.72	164	15322	4.959	ug/L	95
48) 2-Hexanone	10.83	43	21421	9.471	ug/L	97
49) Dibromochloromethane	10.98	129	17279	4.927	ug/L	93
50) 1,2-Dibromoethane	11.09	107	14358	5.000	ug/L	100
51) Chlorobenzene	11.51	112	47640	4.971	ug/L	98
52) Ethylbenzene	11.59	91	78864	4.865	ug/L	100
53) m,p-Xylene	11.70	106	30883	4.972	ug/L	96
54) o-Xylene	12.03	106	28880	4.885	ug/L	92
55) Styrene	12.04	104	48654	4.801	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.58	83	20130	5.104	ug/L	93
59) Bromoform	12.21	173	11297	4.776	ug/L	96
60) Isopropylbenzene	12.32	105	72799	4.665	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	14521	5.116	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	56587	4.609	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	56082	4.650	ug/L	99
64) 1,3-Dichlorobenzene	13.36	146	37161	5.016	ug/L	96
65) 1,4-Dichlorobenzene	13.45	146	38248	5.041	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	34872	5.075	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.35	75	3219	4.991	ug/L #	87
69) 1,3,5-Trichlorobenzene	14.50	180	25574	4.991	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	21605	4.895	ug/L	97
71) Naphthalene	15.23	128	45870	4.992	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	19945	4.928	ug/L	99

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

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