

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120120\
 Data File : VY003628.D
 Acq On : 01 Dec 2020 10:49
 Operator : SY/MD
 Sample : VSTD2.535
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5404

Manual Integrations
 APPROVED

MMDadoda
 12/2/2020 1:28:50 PM

Quant Time: Dec 01 11:58:23 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	253792	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	235218	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	118817	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9554	2.62	ug/L	0.00
7) Chloroethane-d5	2.76	69	7136	2.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.86	63	18345	2.61	ug/L	0.00
21) 2-Butanone-d5	6.90	46	6877	5.03	ug/L	0.00
24) Chloroform-d	7.48	84	17606	2.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	9499	2.55	ug/L	0.00
32) Benzene-d6	8.11	84	36658	2.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	11135	2.71	ug/L	0.00
41) Toluene-d8	10.18	98	31348	2.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4989	2.51	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	4825	4.71	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	10686	2.60	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	11363	2.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7933	2.616 ug/L	98
3) Chloromethane	2.11	50	8716	2.520 ug/L	98
5) Vinyl chloride	2.25	62	8778	2.375 ug/L	100
6) Bromomethane	2.66	94	5751	2.347 ug/L	91
8) Chloroethane	2.80	64	5752	2.605 ug/L	98
9) Trichlorofluoromethane	3.13	101	13534	2.422 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	9122	2.605 ug/L	97
12) 1,1-Dichloroethene	3.88	96	8937	2.711 ug/L	88
13) Acetone	3.95	43	5679	5.098 ug/L	88
14) Carbon disulfide	4.20	76	28196	2.511 ug/L	100
15) Methyl Acetate	4.49	43	6566m	2.747 ug/L	
16) Methylene chloride	4.73	84	14688	2.904 ug/L	98
17) trans-1,2-Dichloroethene	5.24	96	9822m	2.747 ug/L	
18) Methyl tert-butyl Ether	5.22	73	21872	2.482 ug/L	98
19) 1,1-Dichloroethane	6.03	63	15970	2.566 ug/L	91
20) cis-1,2-Dichloroethene	7.00	96	9827	2.571 ug/L	94
22) 2-Butanone	7.00	43	9482	5.631 ug/L #	74
23) Bromochloromethane	7.34	128	4845	2.589 ug/L #	78
25) Chloroform	7.51	83	16329	2.611 ug/L	91
27) 1,2-Dichloroethane	8.25	62	10732	2.584 ug/L #	93
29) Cyclohexane	7.78	56	13439	2.371 ug/L	100
30) 1,1,1-Trichloroethane	7.71	97	13975	2.506 ug/L	98
31) Carbon tetrachloride	7.90	117	12285	2.431 ug/L	96
33) Benzene	8.17	78	37927	2.625 ug/L	100
34) Trichloroethene	8.94	95	9715	2.703 ug/L	96
35) Methylcyclohexane	9.18	83	15511	2.497 ug/L	98
37) 1,2-Dichloropropane	9.22	63	9379	2.582 ug/L #	97
38) Bromodichloromethane	9.50	83	12098	2.611 ug/L #	99
39) cis-1,3-Dichloropropene	9.93	75	13868	2.439 ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	15245	4.751 ug/L	99

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 Response via : Initial Calibration

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

42) Toluene	10.24	91	38453	2.517	ug/L	97
44) trans-1,3-Dichloropropene	10.47	75	12636	2.421	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	8014	2.651	ug/L	94
46) Tetrachloroethene	10.72	164	8151	2.606	ug/L	95
48) 2-Hexanone	10.83	43	10836	4.733	ug/L	97
49) Dibromochloromethane	10.98	129	8814	2.483	ug/L	96
50) 1,2-Dibromoethane	11.09	107	7811	2.687	ug/L	92
51) Chlorobenzene	11.51	112	25618	2.641	ug/L	99
52) Ethylbenzene	11.59	91	39584	2.413	ug/L	98
53) m,p-Xylene	11.70	106	15604	2.482	ug/L	95
54) o-Xylene	12.03	106	14426	2.411	ug/L	95
55) Styrene	12.04	104	23963	2.336	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.58	83	10068	2.522	ug/L	96
59) Bromoform	12.21	173	5942	2.510	ug/L #	94
60) Isopropylbenzene	12.32	105	36750	2.353	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	7235	2.547	ug/L	95
62) 1,3,5-Trimethylbenzene	12.81	105	27907	2.271	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	27841	2.306	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	18783	2.533	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	19685	2.593	ug/L	91
67) 1,2-Dichlorobenzene	13.73	146	18070	2.627	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.35	75	1694	2.625	ug/L	93
69) 1,3,5-Trichlorobenzene	14.49	180	13514	2.635	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	11009	2.493	ug/L	98
71) Naphthalene	15.23	128	21655	2.355	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	9922	2.450	ug/L	99

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

