

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112520\
 Data File : VY003624.D
 Acq On : 25 Nov 2020 15:18
 Operator : SY/MD
 Sample : VSTD2.534
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.5403

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 10:55:58 AM

Quant Time: Nov 26 04:55:06 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL112520SMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 26 04:40:31 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	231817	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	215886	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	107729	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	9758	2.93	ug/L	0.00
7) Chloroethane-d5	2.77	69	7433	2.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.87	63	17990m	2.80	ug/L	0.00
21) 2-Butanone-d5	6.90	46	6610	5.29	ug/L	0.00
24) Chloroform-d	7.49	84	16939	2.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	9569	2.81	ug/L	0.00
32) Benzene-d6	8.11	84	35033	2.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.12	67	10296	2.73	ug/L	0.00
41) Toluene-d8	10.18	98	30011	2.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.43	79	4815	2.64	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	4147	4.41	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	10116	2.69	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	10978	2.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7287	2.631 ug/L	93
3) Chloromethane	2.11	50	8750	2.769 ug/L	94
5) Vinyl chloride	2.26	62	8814	2.611 ug/L	89
6) Bromomethane	2.66	94	6109	2.730 ug/L	87
8) Chloroethane	2.80	64	5234	2.595 ug/L	91
9) Trichlorofluoromethane	3.14	101	14034	2.750 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	8301	2.596 ug/L	94
12) 1,1-Dichloroethene	3.88	96	7766	2.579 ug/L #	86
13) Acetone	3.97	43	5968	5.865 ug/L	97
14) Carbon disulfide	4.20	76	27136	2.645 ug/L	98
15) Methyl Acetate	4.49	43	5877m	2.692 ug/L	
16) Methylene chloride	4.73	84	18567	4.019 ug/L	95
17) trans-1,2-Dichloroethene	5.22	96	8342	2.554 ug/L	97
18) Methyl tert-butyl Ether	5.23	73	19450	2.417 ug/L #	91
19) 1,1-Dichloroethane	6.02	63	14814	2.606 ug/L	95
20) cis-1,2-Dichloroethene	7.00	96	8964	2.567 ug/L	91
22) 2-Butanone	7.00	43	8003	5.203 ug/L #	68
23) Bromochloromethane	7.34	128	4651	2.721 ug/L	85
25) Chloroform	7.51	83	15062	2.637 ug/L	91
27) 1,2-Dichloroethane	8.24	62	9943	2.621 ug/L	97
29) Cyclohexane	7.79	56	12611	2.424 ug/L	98
30) 1,1,1-Trichloroethane	7.71	97	13143	2.568 ug/L	97
31) Carbon tetrachloride	7.90	117	12444	2.683 ug/L	95
33) Benzene	8.16	78	33672	2.539 ug/L	100
34) Trichloroethene	8.94	95	8701	2.638 ug/L	97
35) Methylcyclohexane	9.18	83	13903	2.439 ug/L	96
37) 1,2-Dichloropropane	9.22	63	8397	2.518 ug/L #	95
38) Bromodichloromethane	9.50	83	10695	2.515 ug/L	96
39) cis-1,3-Dichloropropene	9.93	75	12651	2.424 ug/L	95
40) 4-Methyl-2-pentanone	10.07	43	14010	4.757 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.24	91	34685	2.474	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	11686	2.440	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	7088	2.555	ug/L	95
46) Tetrachloroethene	10.72	164	7482	2.606	ug/L	93
48) 2-Hexanone	10.83	43	8983	4.275	ug/L	99
49) Dibromochloromethane	10.98	129	8270	2.538	ug/L	99
50) 1,2-Dibromoethane	11.09	107	6735	2.524	ug/L #	92
51) Chlorobenzene	11.51	112	22416	2.517	ug/L	98
52) Ethylbenzene	11.59	91	36744	2.440	ug/L	99
53) m,p-Xylene	11.70	106	13750	2.383	ug/L	87
54) o-Xylene	12.03	106	12956	2.359	ug/L	94
55) Styrene	12.04	104	21596	2.294	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	9443	2.577	ug/L	90
59) Bromoform	12.21	173	5294	2.467	ug/L	93
60) Isopropylbenzene	12.32	105	33618	2.374	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	6811	2.644	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	25506	2.290	ug/L	98
63) 1,2,4-Trimethylbenzene	13.12	105	25262	2.308	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	17048	2.536	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	18637	2.707	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	15910	2.551	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.35	75	1400	2.392	ug/L #	79
69) 1,3,5-Trichlorobenzene	14.49	180	12110	2.604	ug/L	97
70) 1,2,4-trichlorobenzene	15.00	180	10471	2.615	ug/L	97
71) Naphthalene	15.23	128	18694	2.242	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	9101	2.478	ug/L	98

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

