

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000649.D
 Acq On : 12 Nov 2019 11:52
 Operator : SY/MD
 Sample : VSTD2.578
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:45 PM

Quant Time: Nov 13 01:57:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 01:25:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	354914	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	323156	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	152795	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	12562	2.51	ug/L	0.00
7) Chloroethane-d5	2.76	69	11640	2.61	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.86	63	24821	2.68	ug/L	0.00
20) 2-Butanone-d5	6.91	46	13088	6.33	ug/L	0.00
24) Chloroform-d	7.49	84	25737	2.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.16	65	15606	2.89	ug/L	0.00
29) Benzene-d6	8.12	84	51486	2.74	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	16347	2.78	ug/L	0.00
37) Toluene-d8	10.18	98	48494	2.77	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	7044	2.57	ug/L	0.00
39) 2-Hexanone-d5	10.79	63	9155	5.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	15947	2.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	17816	2.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	12713	2.711 ug/L	98
3) Chloromethane	2.12	50	15736	2.677 ug/L	83
5) Vinyl chloride	2.26	62	15056	2.566 ug/L	91
6) Bromomethane	2.65	94	8822	2.753 ug/L	98
8) Chloroethane	2.80	64	9453	2.569 ug/L	94
9) Trichlorofluoromethane	3.13	101	21614	2.601 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	11521	2.444 ug/L	93
12) 1,1-Dichloroethene	3.87	96	11655m	2.533 ug/L	
13) Acetone	3.96	43	11293	7.370 ug/L	75
14) Carbon disulfide	4.20	76	33676	2.372 ug/L #	95
15) Methyl Acetate	4.49	43	10276	2.964 ug/L #	71
16) Methylene chloride	4.72	84	19626	3.350 ug/L	88
17) Methyl tert-butyl Ether	5.23	73	37232	2.659 ug/L #	80
18) trans-1,2-Dichloroethene	5.22	96	12679	2.467 ug/L	95
19) 1,1-Dichloroethane	6.03	63	22719	2.512 ug/L	91
21) 2-Butanone	7.00	43	17819	6.684 ug/L	94
22) cis-1,2-Dichloroethene	7.00	96	14878	2.618 ug/L	96
23) Bromochloromethane	7.35	128	6522	2.628 ug/L	98
25) Chloroform	7.52	83	27333	2.804 ug/L	99
27) 1,2-Dichloroethane	8.25	62	17578	2.698 ug/L	98
30) Cyclohexane	7.79	56	22237	2.522 ug/L	99
31) 1,1,1-Trichloroethane	7.72	97	20694	2.599 ug/L	95
32) Carbon tetrachloride	7.91	117	16983	2.447 ug/L	100
34) Benzene	8.17	78	54902	2.599 ug/L	100
35) Trichloroethene	8.94	95	14639	2.643 ug/L	99
36) Methylcyclohexane	9.19	83	23364	2.464 ug/L	98
40) 1,2-Dichloropropane	9.22	63	13987	2.612 ug/L	98
41) Bromodichloromethane	9.50	83	17282	2.509 ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	21041	2.439 ug/L	96
43) 4-Methyl-2-pentanone	10.08	43	29539	5.769 ug/L	98

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44) Toluene	10.25	91	58107	2.544	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	18511	2.498	ug/L	90
46) 1,1,2-Trichloroethane	10.65	97	11675	2.658	ug/L	88
47) Tetrachloroethene	10.72	164	10263	2.481	ug/L	85
49) 2-Hexanone	10.83	43	24146	6.054	ug/L	98
50) Dibromochloromethane	10.99	129	13207	2.662	ug/L	91
51) 1,2-Dibromoethane	11.09	107	11323	2.649	ug/L	99
52) Chlorobenzene	11.52	112	38031	2.624	ug/L	89
53) Ethylbenzene	11.59	91	64994	2.515	ug/L	93
54) m,p-Xylene	11.70	106	23268	2.380	ug/L	94
55) o-xylene	12.03	106	24465	2.549	ug/L	90
56) Styrene	12.05	104	36618	2.296	ug/L	88
57) Isopropylbenzene	12.33	105	60378	2.418	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	14044	2.563	ug/L #	95
59) 1,2,3-Trichloropropane	12.63	75	12342	2.770	ug/L	97
62) Bromoform	12.20	173	6932	2.389	ug/L #	96
63) 1,3-Dichlorobenzene	13.36	146	29966	2.750	ug/L	94
64) 1,4-Dichlorobenzene	13.45	146	29146	2.675	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	27741	2.748	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.36	75	2723	2.839	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	20946	2.757	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	20078	2.957	ug/L	95
69) Naphthalene	15.23	128	51622	3.051	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	19037	3.015	ug/L	94

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

