

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110519\
 Data File : VY000531.D
 Acq On : 05 Nov 2019 10:07
 Operator : SY/MD
 Sample : VSTD00578
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD005781

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:57:51 AM

Quant Time: Nov 06 04:28:19 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL110519SMA.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 06 04:18:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	360499	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	334655	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	161678	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	25872	4.71	ug/L	0.00
7) Chloroethane-d5	2.76	69	23120	4.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	45342	4.76	ug/L	0.00
21) 2-Butanone-d5	6.91	46	22678	9.40	ug/L	0.00
24) Chloroform-d	7.50	84	45665	4.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	28018	4.94	ug/L	0.00
32) Benzene-d6	8.12	84	95368	4.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	29018	4.92	ug/L	0.00
41) Toluene-d8	10.18	98	88531	4.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	12970	4.36	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	16269	8.81	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	12.56	84	30299	4.75	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.72	152	30980	4.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	27349	5.458 ug/L	99
3) Chloromethane	2.12	50	34889	5.303 ug/L	98
5) Vinyl chloride	2.26	62	30629	4.986 ug/L	96
6) Bromomethane	2.65	94	13494	4.798 ug/L	90
8) Chloroethane	2.80	64	18753	4.947 ug/L	89
9) Trichlorofluoromethane	3.13	101	44050	5.082 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	24753	4.918 ug/L #	93
12) 1,1-Dichloroethene	3.88	96	23739	4.957 ug/L	89
13) Acetone	3.96	43	26441	11.493 ug/L	74
14) Carbon disulfide	4.19	76	73036	4.809 ug/L #	95
15) Methyl Acetate	4.49	43	20800m	5.072 ug/L	
16) Methylene chloride	4.72	84	30728	5.227 ug/L	87
17) trans-1,2-Dichloroethene	5.23	96	25897	4.867 ug/L	92
18) Methyl tert-butyl Ether	5.23	73	74361	4.904 ug/L	98
19) 1,1-Dichloroethane	6.04	63	45214	4.847 ug/L	94
20) cis-1,2-Dichloroethene	7.00	96	28941	4.858 ug/L	85
22) 2-Butanone	7.00	43	38734	10.989 ug/L	99
23) Bromochloromethane	7.35	128	12910	4.820 ug/L	94
25) Chloroform	7.52	83	47037	4.883 ug/L	99
27) 1,2-Dichloroethane	8.25	62	33386	4.852 ug/L #	93
29) Cyclohexane	7.79	56	45232	4.948 ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	39727	4.921 ug/L	98
31) Carbon tetrachloride	7.91	117	37736	5.069 ug/L	98
33) Benzene	8.17	78	110448	5.025 ug/L	100
34) Trichloroethene	8.94	95	30162	5.200 ug/L	86
35) Methylcyclohexane	9.19	83	47534	4.771 ug/L	95
37) 1,2-Dichloropropane	9.22	63	28182	5.026 ug/L	100
38) Bromodichloromethane	9.50	83	35931	5.036 ug/L	92
39) cis-1,3-Dichloropropene	9.94	75	43795	4.874 ug/L	98
40) 4-Methyl-2-pentanone	10.08	43	61065	9.882 ug/L	98

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

42) Toluene	10.25	91	116133	4.948	ug/L	97
44) trans-1,3-Dichloropropene	10.47	75	37492	4.722	ug/L	94
45) 1,1,2-Trichloroethane	10.65	97	23520	4.941	ug/L	93
46) Tetrachloroethene	10.72	164	22906	5.173	ug/L	95
48) 2-Hexanone	10.83	43	48703	10.082	ug/L	99
49) Dibromochloromethane	10.99	129	26520	4.944	ug/L	96
50) 1,2-Dibromoethane	11.09	107	24808	5.153	ug/L #	91
51) Chlorobenzene	11.52	112	74435	4.965	ug/L	99
52) Ethylbenzene	11.60	91	130390	4.870	ug/L	99
53) m,p-Xylene	11.70	106	48847	4.761	ug/L	96
54) o-Xylene	12.03	106	47027	4.719	ug/L	94
55) Styrene	12.05	104	80002	4.747	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	30506	4.728	ug/L #	92
59) Bromoform	12.21	173	15937	4.649	ug/L	100
60) Isopropylbenzene	12.33	105	125776	4.887	ug/L	99
61) 1,2,3-Trichloropropane	12.63	75	25990	5.078	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	101472m	4.074	ug/L	
63) 1,2,4-Trimethylbenzene	13.12	105	100795	4.797	ug/L	95
64) 1,3-Dichlorobenzene	13.36	146	58018	5.029	ug/L	97
65) 1,4-Dichlorobenzene	13.44	146	58382	5.029	ug/L	94
67) 1,2-Dichlorobenzene	13.74	146	54390	5.034	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.36	75	6094	5.143	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.50	180	39579	4.970	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	37495	5.170	ug/L	98
71) Naphthalene	15.23	128	94794	5.003	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	34573	5.145	ug/L	99

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

