

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022019\
 Data File : VW008753.D
 Acq On : 20 Feb 2019 11:40
 Operator : SY/VA
 Sample : VSTD00502
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00502

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:16:58 AM

Quant Time: Feb 20 12:36:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 20 12:31:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	391786	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	383310	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	212081	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33936	8.79	ug/L	0.00
7) Chloroethane-d5	2.88	69	30830	11.85	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	57251	5.48	ug/L	0.00
20) 2-Butanone-d5	7.09	46	21035	12.77	ug/L	0.00
24) Chloroform-d	7.65	84	51896	4.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	31073	4.97	ug/L	0.00
29) Benzene-d6	8.27	84	103440	4.81	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30538	5.22	ug/L	0.00
37) Toluene-d8	10.32	98	98940	4.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	14714	4.38	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	15536	10.39	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	29985	5.33	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	40314	4.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	38392	8.891 ug/L	97
3) Chloromethane	2.21	50	37438	11.002 ug/L	95
5) Vinyl chloride	2.35	62	38911	9.192 ug/L	92
6) Bromomethane	2.76	94	24603	9.797 ug/L	99
8) Chloroethane	2.92	64	26097	12.408 ug/L #	82
9) Trichlorofluoromethane	3.26	101	48748	13.336 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	30398	6.146 ug/L	98
12) 1,1-Dichloroethene	4.03	96	24469	5.403 ug/L #	86
13) Acetone	4.13	43	18488	11.492 ug/L	98
14) Carbon disulfide	4.37	76	79234	5.524 ug/L	97
15) Methyl Acetate	4.67	43	19294m	7.881 ug/L	
16) Methylene chloride	4.92	84	35250	5.560 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	70294	8.732 ug/L #	86
18) trans-1,2-Dichloroethene	5.43	96	27678	5.634 ug/L	90
19) 1,1-Dichloroethane	6.21	63	45502	5.567 ug/L	90
21) 2-Butanone	7.18	43	25120	13.722 ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	29193	5.546 ug/L	99
23) Bromochloromethane	7.51	128	13189	5.565 ug/L	92
25) Chloroform	7.67	83	47785	5.191 ug/L	96
27) 1,2-Dichloroethane	8.40	62	35577	5.270 ug/L	96
30) Cyclohexane	7.96	56	45125	5.351 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	45922	4.997 ug/L	99
32) Carbon tetrachloride	8.07	117	41833	4.741 ug/L	99
34) Benzene	8.32	78	105853	5.161 ug/L	100
35) Trichloroethene	9.09	95	29056	4.876 ug/L	97
36) Methylcyclohexane	9.34	83	50547	4.946 ug/L	96
40) 1,2-Dichloropropane	9.37	63	26660	5.529 ug/L	98
41) Bromodichloromethane	9.64	83	35616	5.023 ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	41613	4.944 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	49515	12.975 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	119981	5.228	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	36633	4.724	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	23924	5.865	ug/L	93
47) Tetrachloroethene	10.86	164	26364	5.568	ug/L	96
49) 2-Hexanone	10.97	43	36023	13.084	ug/L	98
50) Dibromochloromethane	11.13	129	26998	5.195	ug/L	88
51) 1,2-Dibromoethane	11.24	107	23072	5.542	ug/L	87
52) Chlorobenzene	11.66	112	82808	5.543	ug/L	97
53) Ethylbenzene	11.73	91	135837	5.152	ug/L	98
54) m,p-Xylene	11.84	106	54250	5.461	ug/L	98
55) o-xylene	12.17	106	51451	5.461	ug/L	89
56) Styrene	12.18	104	83041	5.200	ug/L	97
57) Isopropylbenzene	12.46	105	136021	5.097	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	30838	6.097	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	23251	5.715	ug/L	98
62) Bromoform	12.35	173	16124	4.823	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	68815	5.075	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	69134	5.127	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	64461	5.237	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	5845	4.817	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	53333	5.371	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	45691	5.360	ug/L	98
69) Naphthalene	15.37	128	94163	4.880	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	43580	5.775	ug/L	96

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

