

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012720\
 Data File : VW014765.D
 Acq On : 27 Jan 2020 13:45
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.503

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 1:58:05 PM

Quant Time: Jan 27 15:36:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 27 13:46:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	778035	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	709121	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	323199	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	34045	2.90	ug/L	0.00
7) Chloroethane-d5	2.89	69	25600	2.65	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	58648	2.76	ug/L	0.00
20) 2-Butanone-d5	7.08	46	22240m	8.46	ug/L	0.01
24) Chloroform-d	7.65	84	56839	3.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	33067	3.38	ug/L	0.00
29) Benzene-d6	8.27	84	112293	2.81	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	35771	2.91	ug/L	0.00
37) Toluene-d8	10.32	98	97269	2.79	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13794	2.91	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	13671	6.60	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	32616	3.75	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	34541	3.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	24594m	2.673	ug/L
3) Chloromethane	2.21	50	35017	3.400	ug/L
5) Vinyl chloride	2.36	62	45140	2.951	ug/L
6) Bromomethane	2.78	94	22611	2.783	ug/L
8) Chloroethane	2.92	64	21627	2.557	ug/L
9) Trichlorofluoromethane	3.26	101	18077	2.424	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	28791	2.644	ug/L #
12) 1,1-Dichloroethene	4.04	96	27635	2.589	ug/L
13) Acetone	4.12	43	30723	9.080	ug/L
14) Carbon disulfide	4.39	76	91232	2.650	ug/L
15) Methyl Acetate	4.67	43	16365	3.130	ug/L
16) Methylene chloride	4.92	84	47215	4.107	ug/L
17) Methyl tert-butyl Ether	5.42	73	38118	2.882	ug/L #
18) trans-1,2-Dichloroethene	5.42	96	28088	2.632	ug/L
19) 1,1-Dichloroethane	6.21	63	53961	2.740	ug/L
21) 2-Butanone	7.17	43	26195	7.189	ug/L
22) cis-1,2-Dichloroethene	7.17	96	28754	2.580	ug/L
23) Bromochloromethane	7.51	128	14554	3.006	ug/L
25) Chloroform	7.67	83	50745	2.652	ug/L
27) 1,2-Dichloroethane	8.40	62	35856	2.830	ug/L
30) Cyclohexane	7.96	56	43801	2.196	ug/L
31) 1,1,1-Trichloroethane	7.87	97	40957	2.553	ug/L
32) Carbon tetrachloride	8.06	117	38067	2.534	ug/L
34) Benzene	8.32	78	117812	2.519	ug/L
35) Trichloroethene	9.09	95	30332	2.502	ug/L
36) Methylcyclohexane	9.33	83	46780	2.310	ug/L
40) 1,2-Dichloropropane	9.37	63	30537	2.602	ug/L
41) Bromodichloromethane	9.64	83	36121	2.568	ug/L
42) cis-1,3-Dichloropropene	10.07	75	38691	2.292	ug/L
43) 4-Methyl-2-pentanone	10.21	43	45041	6.562	ug/L

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

44) Toluene	10.38	91	113757	2.470	ug/L	95
45) trans-1,3-Dichloropropene	10.60	75	34005	2.532	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	21375	2.738	ug/L	95
47) Tetrachloroethene	10.86	164	23344	2.504	ug/L	99
49) 2-Hexanone	10.96	43	27423	5.538	ug/L	98
50) Dibromochloromethane	11.13	129	23630	2.654	ug/L	92
51) 1,2-Dibromoethane	11.24	107	21236	2.917	ug/L #	96
52) Chlorobenzene	11.66	112	74820	2.589	ug/L	95
53) Ethylbenzene	11.73	91	120115	2.380	ug/L	100
54) m,p-Xylene	11.83	106	43767	2.312	ug/L	93
55) o-xylene	12.16	106	40722	2.290	ug/L	99
56) Styrene	12.18	104	67047	2.233	ug/L	95
57) Isopropylbenzene	12.46	105	109019	2.275	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	31066	3.297	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	23116	3.277	ug/L	99
62) Bromoform	12.35	173	14734	2.984	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	54089	2.606	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	55573	2.648	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	49372	2.630	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	5102	3.614	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	39788	2.652	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	25730	2.274	ug/L	96
69) Naphthalene	15.36	128	45560	2.270	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	25236	2.451	ug/L	98

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

