

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022420\
 Data File : VW015027.D
 Acq On : 24 Feb 2020 11:53
 Operator : SY/VA
 Sample : VSTD10005
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10005

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 3:19:51 PM

Quant Time: Feb 24 12:29:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 24 11:37:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	750819	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	691984	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	314124	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1622899	130.57	ug/L	0.00
7) Chloroethane-d5	2.89	69	1175882	118.16	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	2749461	121.07	ug/L	0.00
20) 2-Butanone-d5	7.07	46	678191	194.42	ug/L	0.00
24) Chloroform-d	7.65	84	2149581	100.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	1189074	100.79	ug/L	0.00
29) Benzene-d6	8.27	84	4364745	98.08	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	1465681	101.07	ug/L	0.00
37) Toluene-d8	10.32	98	3871472	98.86	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	586739	102.47	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	526392	199.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	968354	88.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	1061005	87.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	698935	90.548	ug/L	97
3) Chloromethane	2.21	50	1405799	120.190	ug/L	99
5) Vinyl chloride	2.37	62	1695691	111.032	ug/L	99
6) Bromomethane	2.78	94	761282	99.688	ug/L	98
8) Chloroethane	2.92	64	933840	111.758	ug/L	97
9) Trichlorofluoromethane	3.26	101	849275	137.567	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	1079059	99.016	ug/L	99
12) 1,1-Dichloroethene	4.04	96	1082440m	101.631	ug/L	
13) Acetone	4.12	43	708421	196.747	ug/L	97
14) Carbon disulfide	4.38	76	3846799	120.291	ug/L	100
15) Methyl Acetate	4.67	43	621639	104.915	ug/L	100
16) Methylene chloride	4.92	84	1123344	82.125	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	1423353	102.293	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	1103651	102.271	ug/L	94
19) 1,1-Dichloroethane	6.21	63	2378655	108.801	ug/L	98
21) 2-Butanone	7.17	43	957156	227.046	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	1177266	100.861	ug/L	94
23) Bromochloromethane	7.51	128	425722	88.897	ug/L	90
25) Chloroform	7.67	83	2060503	102.602	ug/L	99
27) 1,2-Dichloroethane	8.40	62	1441294	104.097	ug/L	100
30) Cyclohexane	7.95	56	2586433	125.443	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	1631645	103.411	ug/L	100
32) Carbon tetrachloride	8.07	117	1479678	104.326	ug/L	100
34) Benzene	8.32	78	4864010	102.219	ug/L	100
35) Trichloroethene	9.09	95	1170638	99.248	ug/L	99
36) Methylcyclohexane	9.33	83	2303311	112.103	ug/L	98
40) 1,2-Dichloropropane	9.37	63	1332651	104.654	ug/L	100
41) Bromodichloromethane	9.64	83	1501814	102.908	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1990098	110.060	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1819911	217.957	ug/L	99

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44) Toluene	10.38	91	4917279	101.793	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	1569669	107.799	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	753620	89.902	ug/L	99
47) Tetrachloroethene	10.86	164	754262	87.029	ug/L	96
49) 2-Hexanone	10.96	43	1361557	232.146	ug/L	99
50) Dibromochloromethane	11.13	129	833322	92.495	ug/L	97
51) 1,2-Dibromoethane	11.23	107	693327	88.892	ug/L	95
52) Chlorobenzene	11.65	112	2763627	93.572	ug/L	100
53) Ethylbenzene	11.73	91	5603748	106.037	ug/L	99
54) m,p-Xylene	11.83	106	2002574	103.741	ug/L	99
55) o-xylene	12.16	106	1924828	104.771	ug/L	94
56) Styrene	12.18	104	3243122	104.448	ug/L	95
57) Isopropylbenzene	12.46	105	5263794	106.685	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	979948	93.657	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	750949	95.396	ug/L	100
62) Bromoform	12.35	173	423404	88.420	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1989395	93.756	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	1957183	91.568	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1785894	92.018	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	161665	97.693	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	1371948	90.278	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	1107343	92.224	ug/L	99
69) Naphthalene	15.36	128	1118184	47.344	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	964749	87.018	ug/L	98

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

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