

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091520\
 Data File : VW016557.D
 Acq On : 15 Sep 2020 14:17
 Operator : SY/VA
 Sample : VSTD00505
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:46:00 AM

Quant Time: Sep 15 15:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 15:13:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	624739	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	545019	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	270318	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	33257	5.15	ug/L	0.00
7) Chloroethane-d5	2.90	69	26926	4.79	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.04	63	72672	4.94	ug/L	0.00
20) 2-Butanone-d5	7.09	46	18539	8.54	ug/L	0.00
24) Chloroform-d	7.66	84	72159	5.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	37284	4.96	ug/L	0.00
29) Benzene-d6	8.28	84	139774	5.34	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	37391	4.93	ug/L	0.00
37) Toluene-d8	10.33	98	136017	5.43	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	18034	4.72	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	12838	8.50	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31316	4.90	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	50079	5.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.03	85	41243m	5.799	ug/L
3) Chloromethane	2.23	50	27607	4.613	ug/L
5) Vinyl chloride	2.37	62	43758	5.580	ug/L
6) Bromomethane	2.79	94	32053	5.460	ug/L
8) Chloroethane	2.94	64	25470	5.338	ug/L
9) Trichlorofluoromethane	3.28	101	40805	6.010	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	42121	5.533	ug/L
12) 1,1-Dichloroethene	4.06	96	40984	5.356	ug/L
13) Acetone	4.14	43	12738	8.509	ug/L
14) Carbon disulfide	4.40	76	122691	5.257	ug/L
15) Methyl Acetate	4.68	43	15091	4.273	ug/L
16) Methylene chloride	4.93	84	55793	5.767	ug/L
17) Methyl tert-butyl Ether	5.44	73	56847	5.029	ug/L
18) trans-1,2-Dichloroethene	5.44	96	42132	5.200	ug/L
19) 1,1-Dichloroethane	6.23	63	66435	4.885	ug/L
21) 2-Butanone	7.18	43	23361	9.522	ug/L
22) cis-1,2-Dichloroethene	7.18	96	43497	5.170	ug/L
23) Bromochloromethane	7.52	128	21164	5.368	ug/L
25) Chloroform	7.68	83	74072	5.214	ug/L
27) 1,2-Dichloroethane	8.41	62	46617	4.969	ug/L
30) Cyclohexane	7.96	56	63278	5.009	ug/L
31) 1,1,1-Trichloroethane	7.88	97	67594	5.699	ug/L
32) Carbon tetrachloride	8.07	117	64464	5.703	ug/L
34) Benzene	8.33	78	154411	5.291	ug/L
35) Trichloroethene	9.10	95	44313	5.428	ug/L
36) Methylcyclohexane	9.34	83	75615	5.317	ug/L
40) 1,2-Dichloropropane	9.37	63	35385	4.963	ug/L
41) Bromodichloromethane	9.65	83	52232	5.181	ug/L
42) cis-1,3-Dichloropropene	10.08	75	59805	4.917	ug/L
43) 4-Methyl-2-pentanone	10.21	43	44862	9.078	ug/L

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

44) Toluene	10.40	91	175208	5.366	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	51095	4.733	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	29814	5.211	ug/L	97
47) Tetrachloroethene	10.87	164	39300	5.834	ug/L	91
49) 2-Hexanone	10.98	43	26469	7.722	ug/L	98
50) Dibromochloromethane	11.13	129	37310	5.111	ug/L	95
51) 1,2-Dibromoethane	11.24	107	29933	5.236	ug/L	99
52) Chlorobenzene	11.66	112	116321	5.545	ug/L	99
53) Ethylbenzene	11.74	91	196126	5.317	ug/L	100
54) m,p-Xylene	11.84	106	76322	5.377	ug/L	98
55) o-xylene	12.17	106	72638	5.371	ug/L	98
56) Styrene	12.18	104	120597	5.220	ug/L	100
57) Isopropylbenzene	12.47	105	199635	5.372	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	32358	4.781	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	24328	4.811	ug/L	99
62) Bromoform	12.35	173	22242	4.939	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	90846	5.338	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	91446	5.442	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	83790	5.554	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	5643	4.163	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	65976	5.528	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	52480	5.085	ug/L	98
69) Naphthalene	15.37	128	84974	4.064	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	44130	4.985	ug/L	98

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

