

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\
 Data File : VV012929.D
 Acq On : 23 Sep 2019 10:32
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 12:25:27 PM

Quant Time: Sep 23 11:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 23 11:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	755396	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	754765	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	400307	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61530	5.75	ug/L	0.00
7) Chloroethane-d5	1.58	69	50061	5.68	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	100750	5.62	ug/L	0.00
20) 2-Butanone-d5	3.96	46	38495	10.56	ug/L	0.00
24) Chloroform-d	4.40	84	107415	5.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	61377	6.10	ug/L	0.00
29) Benzene-d6	5.10	84	213460	5.56	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	67952	5.79	ug/L	0.00
37) Toluene-d8	7.36	98	184853	5.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	26885	5.51	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	20330	9.07	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61779	5.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	78887	5.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32308	3.864	ug/L 96
3) Chloromethane	1.25	50	49225	4.511	ug/L 99
5) Vinyl chloride	1.32	62	48393	4.461	ug/L 97
6) Bromomethane	1.54	94	31561	4.775	ug/L 98
8) Chloroethane	1.60	64	32604	4.803	ug/L 99
9) Trichlorofluoromethane	1.77	101	70602	4.908	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46025	5.079	ug/L 99
12) 1,1-Dichloroethene	2.14	96	41579	4.863	ug/L 94
13) Acetone	2.22	43	35141	7.471	ug/L 96
14) Carbon disulfide	2.32	76	127486	4.685	ug/L 100
15) Methyl Acetate	2.47	43	30198	4.818	ug/L 99
16) Methylene chloride	2.53	84	55931	3.264	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	112995	4.842	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	49000	4.913	ug/L 99
19) 1,1-Dichloroethane	3.23	63	89003	4.953	ug/L 99
21) 2-Butanone	4.05	43	41552m	7.713	ug/L
22) cis-1,2-Dichloroethene	3.96	96	51499	4.876	ug/L 99
23) Bromochloromethane	4.30	128	25863	5.200	ug/L 98
25) Chloroform	4.42	83	93829	5.171	ug/L 99
27) 1,2-Dichloroethane	5.18	62	65355	5.165	ug/L 95
30) Cyclohexane	4.72	56	71623	4.087	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	72569	4.738	ug/L 99
32) Carbon tetrachloride	4.87	117	65770	4.801	ug/L 96
34) Benzene	5.15	78	202239	4.746	ug/L 100
35) Trichloroethene	5.96	95	59131	5.103	ug/L 97
36) Methylcyclohexane	6.17	83	81257	4.305	ug/L 98
40) 1,2-Dichloropropane	6.22	63	49999	4.703	ug/L # 95
41) Bromodichloromethane	6.55	83	65518	4.870	ug/L 99
42) cis-1,3-Dichloropropene	7.07	75	69487	4.392	ug/L 97
43) 4-Methyl-2-pentanone	7.28	43	72322	8.331	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	207091	4.597	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	59206	4.547	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	44139	5.047	ug/L	97
47) Tetrachloroethene	8.02	164	46257	4.890	ug/L	94
49) 2-Hexanone	8.19	43	49461	7.009	ug/L	95
50) Dibromochloromethane	8.29	129	48662	4.907	ug/L	97
51) 1,2-Dibromoethane	8.40	107	41065	4.764	ug/L	98
52) Chlorobenzene	8.92	112	147907	4.907	ug/L	100
53) Ethylbenzene	9.05	91	222328	4.449	ug/L	99
54) m,p-Xylene	9.18	106	82869	4.385	ug/L	99
55) o-xylene	9.59	106	76982	4.323	ug/L	100
56) Styrene	9.60	104	133868	4.337	ug/L	100
57) Isopropylbenzene	9.97	105	205726	4.327	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	52335	4.730	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	43968	4.926	ug/L	98
62) Bromoform	9.77	173	30276	4.790	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	118997	4.859	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	126435	4.970	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	112576	4.891	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	9236	4.659	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	89346	4.597	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	75291	4.466	ug/L	99
69) Naphthalene	13.55	128	127171	3.727	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	72802	4.442	ug/L	97

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

