

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\
 Data File : VV012928.D
 Acq On : 23 Sep 2019 10:05
 Operator : SY/MD
 Sample : VSTD2.561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 12:25:23 PM

Quant Time: Sep 23 11:27:03 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	749592	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	735606	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	384544	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30732	2.90	ug/L	0.00
7) Chloroethane-d5	1.58	69	24831	2.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	52240	2.94	ug/L	0.00
20) 2-Butanone-d5	3.96	46	13989	3.87	ug/L	0.00
24) Chloroform-d	4.40	84	54404	3.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	31161	3.12	ug/L	0.00
29) Benzene-d6	5.10	84	106829	2.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	33652	2.94	ug/L	0.00
37) Toluene-d8	7.36	98	89806	2.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	12560	2.64	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	8881	4.07	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	29054	2.76	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	40344	3.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16673	2.010 ug/L	95
3) Chloromethane	1.25	50	26424	2.440 ug/L	97
5) Vinyl chloride	1.32	62	25238	2.344 ug/L	94
6) Bromomethane	1.54	94	15525	2.367 ug/L	99
8) Chloroethane	1.60	64	15273	2.267 ug/L	97
9) Trichlorofluoromethane	1.77	101	36108	2.530 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23148	2.574 ug/L	98
12) 1,1-Dichloroethene	2.14	96	20912	2.465 ug/L	86
13) Acetone	2.21	43	20355	4.361 ug/L	99
14) Carbon disulfide	2.32	76	64482	2.388 ug/L	100
15) Methyl Acetate	2.47	43	13071	2.102 ug/L	93
16) Methylene chloride	2.54	84	30618	1.800 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	53071	2.292 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	24364	2.462 ug/L	95
19) 1,1-Dichloroethane	3.23	63	45031	2.526 ug/L	97
21) 2-Butanone	4.05	43	19026m	3.559 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	25871	2.469 ug/L	99
23) Bromochloromethane	4.30	128	12933	2.621 ug/L	94
25) Chloroform	4.43	83	49257	2.735 ug/L	99
27) 1,2-Dichloroethane	5.18	62	31645	2.520 ug/L	97
30) Cyclohexane	4.72	56	34369	2.012 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	35585	2.384 ug/L	97
32) Carbon tetrachloride	4.88	117	32971	2.469 ug/L	100
34) Benzene	5.15	78	97219	2.341 ug/L	100
35) Trichloroethene	5.96	95	29038	2.571 ug/L	98
36) Methylcyclohexane	6.17	83	39227	2.132 ug/L	97
40) 1,2-Dichloropropane	6.22	63	26058	2.515 ug/L #	95
41) Bromodichloromethane	6.56	83	32930	2.512 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	33276	2.158 ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	33363	3.943 ug/L	95

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

44) Toluene	7.43	91	95269	2.170	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	27186	2.142	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	21346	2.504	ug/L	95
47) Tetrachloroethene	8.02	164	23552	2.555	ug/L	95
49) 2-Hexanone	8.19	43	21981	3.196	ug/L	91
50) Dibromochloromethane	8.29	129	23782	2.460	ug/L	98
51) 1,2-Dibromoethane	8.40	107	19582	2.331	ug/L	99
52) Chlorobenzene	8.92	112	73704	2.509	ug/L	99
53) Ethylbenzene	9.05	91	105678	2.170	ug/L	99
54) m,p-Xylene	9.18	106	37616	2.042	ug/L	99
55) o-xylene	9.59	106	34930	2.012	ug/L	97
56) Styrene	9.60	104	60375	2.007	ug/L	98
57) Isopropylbenzene	9.97	105	93070	2.008	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	24090	2.234	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	20690	2.378	ug/L	97
62) Bromoform	9.77	173	14641	2.411	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	57002	2.423	ug/L	97
64) 1,4-Dichlorobenzene	11.31	146	65100	2.664	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	54233	2.453	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4310	2.263	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	43995	2.357	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	36879	2.277	ug/L	98
69) Naphthalene	13.55	128	57485	1.754	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	34249	2.175	ug/L	99

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

