

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010344.D
 Acq On : 18 Apr 2019 11:57
 Operator : SY/MD
 Sample : VSTD00502
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00502

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:53:43 AM

Quant Time: Apr 18 12:49:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 12:43:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	302118	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	287989	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	148249	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21125	6.07	ug/L	0.00
7) Chloroethane-d5	1.57	69	18544	6.20	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	50713	5.73	ug/L	0.00
20) 2-Butanone-d5	3.95	46	11940m	13.57	ug/L	0.02
24) Chloroform-d	4.40	84	39892	5.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	24949	6.35	ug/L	0.00
29) Benzene-d6	5.10	84	78029	5.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	22172	5.37	ug/L	0.00
37) Toluene-d8	7.36	98	71568	5.29	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	10570	6.14	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	9270	12.99	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	22599	6.10	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	29231	5.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24698	5.101 ug/L	98
3) Chloromethane	1.25	50	21675	5.456 ug/L	92
5) Vinyl chloride	1.32	62	22281	5.216 ug/L	99
6) Bromomethane	1.52	94	13904	4.016 ug/L	99
8) Chloroethane	1.59	64	14713	5.523 ug/L	99
9) Trichlorofluoromethane	1.76	101	48099	5.559 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	25997	5.613 ug/L	97
12) 1,1-Dichloroethene	2.14	96	21921	5.500 ug/L	96
13) Acetone	2.19	43	15838	16.843 ug/L	98
14) Carbon disulfide	2.31	76	53228	5.530 ug/L	99
15) Methyl Acetate	2.46	43	11494	6.863 ug/L #	89
16) Methylene chloride	2.54	84	29042	4.909 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	46928	5.441 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	19922	5.260 ug/L	87
19) 1,1-Dichloroethane	3.23	63	33709	5.411 ug/L	92
21) 2-Butanone	4.03	43	15970m	14.890 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	21587	5.238 ug/L	98
23) Bromochloromethane	4.30	128	11312	5.575 ug/L	94
25) Chloroform	4.43	83	39620	5.354 ug/L	94
27) 1,2-Dichloroethane	5.18	62	27471	5.800 ug/L	95
30) Cyclohexane	4.73	56	29039	5.384 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	33384	5.542 ug/L	99
32) Carbon tetrachloride	4.87	117	31367	5.588 ug/L	97
34) Benzene	5.15	78	72712	4.981 ug/L	100
35) Trichloroethene	5.96	95	21744	5.155 ug/L	95
36) Methylcyclohexane	6.17	83	32398	5.140 ug/L	95
40) 1,2-Dichloropropane	6.22	63	19226	5.382 ug/L	99
41) Bromodichloromethane	6.56	83	25563	5.371 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	25067	4.631 ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	28206	12.200 ug/L	99

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

44) Toluene	7.43	91	83857	5.110	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	24177	5.322	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	17387	5.738	ug/L	97
47) Tetrachloroethene	8.02	164	20378	5.450	ug/L	96
49) 2-Hexanone	8.19	43	21562	14.185	ug/L	91
50) Dibromochloromethane	8.29	129	18465	4.982	ug/L	92
51) 1,2-Dibromoethane	8.40	107	16758	5.422	ug/L	99
52) Chlorobenzene	8.93	112	58305	5.091	ug/L	98
53) Ethylbenzene	9.06	91	92520	5.112	ug/L	97
54) m,p-Xylene	9.18	106	35326	4.948	ug/L	96
55) o-xylene	9.59	106	32462	4.566	ug/L	91
56) Styrene	9.61	104	53828	4.755	ug/L	99
57) Isopropylbenzene	9.97	105	89524	4.955	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	22238	5.938	ug/L #	99
59) 1,2,3-Trichloropropane	10.32	75	16251	5.896	ug/L	98
62) Bromoform	9.77	173	11977	5.567	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	46775	5.089	ug/L	94
64) 1,4-Dichlorobenzene	11.32	146	48772	5.214	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	45744	5.213	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3536	7.124	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	38222	5.612	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	29874	6.401	ug/L	99
69) Naphthalene	13.55	128	51618	8.139	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	28634	6.615	ug/L	97

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

