

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\
 Data File : VV010057.D
 Acq On : 02 Apr 2019 12:46
 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
 4/6/2019 5:03:33 AM

Quant Time: Apr 02 14:40:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 14:35:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	277834	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	253333	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10110	2.65	ug/L	0.00
7) Chloroethane-d5	1.57	69	12087	3.60	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	24839	2.59	ug/L	0.00
20) 2-Butanone-d5	3.96	46	4621m	4.46	ug/L	0.02
24) Chloroform-d	4.40	84	16232	2.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	8944	2.19	ug/L	0.00
29) Benzene-d6	5.10	84	33954	2.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	9833	2.64	ug/L	0.00
37) Toluene-d8	7.36	98	29396	2.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3071	1.91	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2877	3.90	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	8829	2.30	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	11276	2.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12378	2.893 ug/L	98
3) Chloromethane	1.25	50	10586	2.831 ug/L	95
5) Vinyl chloride	1.32	62	11281	2.758 ug/L	89
6) Bromomethane	1.53	94	12581	3.452 ug/L	97
8) Chloroethane	1.59	64	9629	3.557 ug/L	90
9) Trichlorofluoromethane	1.76	101	22456	2.668 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12812	2.689 ug/L	98
12) 1,1-Dichloroethene	2.14	96	10701	2.606 ug/L	85
13) Acetone	2.20	43	6580	5.371 ug/L	89
14) Carbon disulfide	2.32	76	21726	2.634 ug/L	99
15) Methyl Acetate	2.46	43	4263	2.398 ug/L #	89
16) Methylene chloride	2.54	84	25364	5.225 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	19253	2.273 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	9733	2.848 ug/L	94
19) 1,1-Dichloroethane	3.23	63	14697	2.445 ug/L	97
21) 2-Butanone	4.05	43	5104m	4.382 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	9516	2.485 ug/L	96
23) Bromochloromethane	4.30	128	4528m	2.392 ug/L	
25) Chloroform	4.43	83	16666	2.367 ug/L	94
27) 1,2-Dichloroethane	5.18	62	11160	2.495 ug/L #	91
30) Cyclohexane	4.72	56	12534	2.708 ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	14172	2.738 ug/L	93
32) Carbon tetrachloride	4.87	117	11355	2.409 ug/L	86
34) Benzene	5.14	78	34501	2.719 ug/L	100
35) Trichloroethene	5.96	95	10330	2.847 ug/L	93
36) Methylcyclohexane	6.17	83	15362	2.752 ug/L	98
40) 1,2-Dichloropropane	6.22	63	8570	2.761 ug/L #	94
41) Bromodichloromethane	6.56	83	10129	2.448 ug/L	92
42) cis-1,3-Dichloropropene	7.07	75	9675	2.037 ug/L	92
43) 4-Methyl-2-pentanone	7.28	43	11870	5.003 ug/L	92

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

44) Toluene	7.43	91	37375	2.599	ug/L	93
45) trans-1,3-Dichloropropene	7.70	75	8533	2.161	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	6943	2.469	ug/L	97
47) Tetrachloroethene	8.02	164	8643	2.806	ug/L	92
49) 2-Hexanone	8.19	43	7166	4.555	ug/L #	89
50) Dibromochloromethane	8.29	129	6272	1.929	ug/L	94
51) 1,2-Dibromoethane	8.40	107	6668	2.365	ug/L #	96
52) Chlorobenzene	8.93	112	25398	2.565	ug/L	96
53) Ethylbenzene	9.06	91	38985	2.454	ug/L	91
54) m,p-Xylene	9.18	106	14455	2.269	ug/L	92
55) o-xylene	9.59	106	13816	2.293	ug/L	98
56) Styrene	9.61	104	20710	2.054	ug/L	97
57) Isopropylbenzene	9.98	105	36189	2.254	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	7837	2.154	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	6619	2.480	ug/L	89
62) Bromoform	9.78	173	3870	2.338	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	18790	2.629	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	18756	2.496	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	17041	2.416	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1150	2.529	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	13907	2.639	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	8810	2.292	ug/L	97
69) Naphthalene	13.56	128	11510	1.905	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.79	180	7898	2.193	ug/L	97

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

