

Data File : VV009890.D
Acq On : 26 Mar 2019 12:24
Operator : SY/MD
Sample : VSTD00561
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00561

Manual Integrations
APPROVED

MMDadoda
3/27/2019 5:42:40 PM

Quant Time: Mar 26 14:15:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:05:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	178715	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170029	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74807	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20551	9.14	ug/L	0.00
7) Chloroethane-d5	1.57	69	25648	8.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	56340	9.48	ug/L	0.00
20) 2-Butanone-d5	3.95	46	6832m	10.09	ug/L	0.02
24) Chloroform-d	4.40	84	24669	5.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13981	5.83	ug/L	0.00
29) Benzene-d6	5.10	84	48123	5.32	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13891	5.24	ug/L	0.00
37) Toluene-d8	7.36	98	42620	4.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	4626	3.49	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4474	7.98	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	12659	4.89	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	14199	5.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15817	6.992 ug/L	96
3) Chloromethane	1.25	50	22251	9.267 ug/L	93
5) Vinyl chloride	1.32	62	23407	8.774 ug/L	91
6) Bromomethane	1.53	94	27746	9.670 ug/L	99
8) Chloroethane	1.59	64	26518	11.657 ug/L	97
9) Trichlorofluoromethane	1.76	101	52032	9.672 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	30125	10.093 ug/L	98
12) 1,1-Dichloroethene	2.13	96	25449	9.916 ug/L	90
13) Acetone	2.20	43	6883	8.888 ug/L	91
14) Carbon disulfide	2.31	76	31646	4.746 ug/L	96
15) Methyl Acetate	2.46	43	6316	6.172 ug/L	96
16) Methylene chloride	2.53	84	16168	6.679 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	28794	5.156 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	12878	5.773 ug/L	96
19) 1,1-Dichloroethane	3.23	63	23134	5.838 ug/L	97
21) 2-Butanone	4.05	43	8964m	9.288 ug/L	
22) cis-1,2-Dichloroethene	3.95	96	13202	5.264 ug/L	86
23) Bromochloromethane	4.30	128	5834	5.184 ug/L	90
25) Chloroform	4.43	83	23807	5.520 ug/L	100
27) 1,2-Dichloroethane	5.18	62	17187	5.761 ug/L	98
30) Cyclohexane	4.73	56	18935	4.701 ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	19321	4.785 ug/L	96
32) Carbon tetrachloride	4.87	117	16598	4.819 ug/L	93
34) Benzene	5.14	78	52421	5.530 ug/L	100
35) Trichloroethene	5.96	95	15002	5.717 ug/L	92
36) Methylcyclohexane	6.17	83	20952	4.573 ug/L	98
40) 1,2-Dichloropropane	6.22	63	13491m	5.728 ug/L	
41) Bromodichloromethane	6.56	83	15411	4.601 ug/L	93
42) cis-1,3-Dichloropropene	7.07	75	17338	4.633 ug/L	88
43) 4-Methyl-2-pentanone	7.28	43	16926	10.052 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	52683	4.969	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	13023	3.839	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	10435	5.364	ug/L	93
47) Tetrachloroethene	8.02	164	10702	5.506	ug/L	91
49) 2-Hexanone	8.19	43	10585	7.529	ug/L #	96
50) Dibromochloromethane	8.29	129	9813	4.033	ug/L	87
51) 1,2-Dibromoethane	8.40	107	9703	4.955	ug/L	99
52) Chlorobenzene	8.93	112	35499	5.169	ug/L	97
53) Ethylbenzene	9.06	91	55486	4.575	ug/L	95
54) m,p-Xylene	9.18	106	21244	4.497	ug/L	92
55) o-xylene	9.59	106	19559	4.367	ug/L	98
56) Styrene	9.60	104	31689	4.218	ug/L	99
57) Isopropylbenzene	9.98	105	49867	4.075	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	12524	4.734	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	9355	4.965	ug/L	95
62) Bromoform	9.77	173	4502	3.352	ug/L #	88
63) 1,3-Dichlorobenzene	11.23	146	24801	5.165	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	26940	5.621	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	23120	5.124	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1420	3.188	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.69	180	16760	4.943	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	12140	4.612	ug/L	95
69) Naphthalene	13.55	128	16402	3.077	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	12279	5.032	ug/L	91

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

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