

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120618\
 Data File : VV008861.D
 Acq On : 06 Dec 2018 16:11
 Operator : SY/MD
 Sample : VSTD00567
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00567

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:22 PM

Quant Time: Dec 07 00:53:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 00:29:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	193927	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72972	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	9581	4.55	ug/L	0.00
7) Chloroethane-d5	1.57	69	7686	5.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	24891	4.95	ug/L	0.00
20) 2-Butanone-d5	3.94	46	7664	12.22	ug/L	0.01
24) Chloroform-d	4.40	84	23781	5.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13249	5.48	ug/L	0.00
29) Benzene-d6	5.10	84	47506	5.30	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	13270	5.35	ug/L	0.00
37) Toluene-d8	7.36	98	43000	5.18	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	5586	5.17	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	5109m	12.03	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11435	5.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	14807	5.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	19297	6.616	ug/L 99
3) Chloromethane	1.25	50	11917	5.483	ug/L 99
5) Vinyl chloride	1.32	62	13170	5.428	ug/L 97
6) Bromomethane	1.52	94	6592	5.829	ug/L 95
8) Chloroethane	1.59	64	7412	5.206	ug/L 91
9) Trichlorofluoromethane	1.76	101	22534	5.369	ug/L 95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16027	5.537	ug/L 97
12) 1,1-Dichloroethene	2.14	96	13882	5.476	ug/L 94
13) Acetone	2.19	43	9819	8.566	ug/L 100
14) Carbon disulfide	2.32	76	40320	4.869	ug/L 97
15) Methyl Acetate	2.46	43	7878	6.303	ug/L 97
16) Methylene chloride	2.53	84	19178	6.627	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	28953	5.286	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	14152	5.117	ug/L 99
19) 1,1-Dichloroethane	3.23	63	22330	4.986	ug/L 99
21) 2-Butanone	4.03	43	8990	8.460	ug/L # 69
22) cis-1,2-Dichloroethene	3.96	96	14999	5.270	ug/L 93
23) Bromochloromethane	4.30	128	7178	5.588	ug/L 91
25) Chloroform	4.43	83	25075	5.265	ug/L 97
27) 1,2-Dichloroethane	5.18	62	17351	5.573	ug/L 97
30) Cyclohexane	4.73	56	21701	5.213	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	22148	5.165	ug/L 99
32) Carbon tetrachloride	4.88	117	20144	5.067	ug/L 99
34) Benzene	5.15	78	52084	5.227	ug/L 100
35) Trichloroethene	5.96	95	15875	5.353	ug/L 98
36) Methylcyclohexane	6.18	83	24751	5.077	ug/L 96
40) 1,2-Dichloropropane	6.22	63	12603	5.264	ug/L # 96
41) Bromodichloromethane	6.56	83	15342	4.883	ug/L 99
42) cis-1,3-Dichloropropene	7.07	75	16896	4.607	ug/L 100
43) 4-Methyl-2-pentanone	7.27	43	17501	12.131	ug/L 97

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

44) Toluene	7.43	91	53377	5.073	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	14567	4.746	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	10892	5.662	ug/L	98
47) Tetrachloroethene	8.02	164	12750	5.328	ug/L	96
49) 2-Hexanone	8.19	43	12368	9.703	ug/L	97
50) Dibromochloromethane	8.29	129	11060	4.834	ug/L	99
51) 1,2-Dibromoethane	8.40	107	10825	5.594	ug/L	96
52) Chlorobenzene	8.93	112	35008	5.209	ug/L	97
53) Ethylbenzene	9.06	91	57306	4.965	ug/L	99
54) m,p-Xylene	9.18	106	21339	4.853	ug/L	97
55) o-xylene	9.59	106	19909	4.885	ug/L	98
56) Styrene	9.61	104	30409	4.498	ug/L	94
57) Isopropylbenzene	9.98	105	53595	4.874	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	11485	5.453	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	9770	5.654	ug/L	99
62) Bromoform	9.78	173	6577	5.111	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	25325	5.483	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	25721	5.470	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	23297	5.413	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1842	5.548	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	17696	5.236	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	11356	4.777	ug/L	97
69) Naphthalene	13.55	128	16203	4.258	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	10687	4.887	ug/L	99

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

