

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008894.D
 Acq On : 11 Dec 2018 12:40
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:25 AM

Quant Time: Dec 12 11:14:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 04:31:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	196638	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	168064	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73001	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51093	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.44%
7) Chloroethane-d5	1.58	69	48535	32.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.16%
10) 1,1-Dichloroethene-d2	2.13	63	98864	19.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.72%
20) 2-Butanone-d5	3.94	46	37518	50.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.28%
24) Chloroform-d	4.40	84	116972	24.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.96%
26) 1,2-Dichloroethane-d4	5.08	65	67300	26.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.36%
29) Benzene-d6	5.10	84	239312	25.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.96%
33) 1,2-Dichloropropane-d6	6.12	67	70062	26.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.64%
37) Toluene-d8	7.36	98	214937	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.96%
38) trans-1,3-Dichloropropene-	7.67	79	30000	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.92%
39) 2-Hexanone-d5	8.14	63	24170	50.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52874	23.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	67369	24.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3877	1.203 ug/L	96
3) Chloromethane	1.25	50	2677	1.209 ug/L	97
5) Vinyl chloride	1.32	62	2784	1.126 ug/L #	58
6) Bromomethane	1.53	94	1603	1.348 ug/L	99
8) Chloroethane	1.60	64	2111	1.524 ug/L	95
9) Trichlorofluoromethane	1.77	101	5773	1.363 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4190	1.442 ug/L	88
12) 1,1-Dichloroethene	2.14	96	3522	1.389 ug/L #	1
13) Acetone	2.20	43	3047	2.792 ug/L	87
14) Carbon disulfide	2.32	76	8599	1.056 ug/L	99
15) Methyl Acetate	2.46	43	1463	1.057 ug/L #	78
16) Methylene chloride	2.53	84	8590	2.594 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	6368	1.106 ug/L #	70
18) trans-1,2-Dichloroethene	2.79	96	2802	1.023 ug/L	96
19) 1,1-Dichloroethane	3.23	63	4728	1.065 ug/L	92
21) 2-Butanone	4.02	43	1459m	1.426 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3030m	1.061 ug/L	

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

23) Bromochloromethane	4.30	128	1468	1.091	ug/L	86
25) Chloroform	4.43	83	7141	1.499	ug/L	99
27) 1,2-Dichloroethane	5.18	62	3757	1.157	ug/L	100
30) Cyclohexane	4.72	56	4486m	1.060	ug/L	
31) 1,1,1-Trichloroethane	4.66	97	4466	1.031	ug/L #	76
32) Carbon tetrachloride	4.88	117	4353	1.100	ug/L	93
34) Benzene	5.15	78	11320	1.124	ug/L	100
35) Trichloroethene	5.96	95	3983	1.312	ug/L	94
36) Methylcyclohexane	6.18	83	5478	1.131	ug/L	98
40) 1,2-Dichloropropane	6.22	63	2644	1.094	ug/L #	85
41) Bromodichloromethane	6.56	83	3314	1.040	ug/L #	94
42) cis-1,3-Dichloropropene	7.07	75	3871	1.094	ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	4140	2.535	ug/L	98
44) Toluene	7.43	91	12292	1.164	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	3681	1.193	ug/L	90
46) 1,1,2-Trichloroethane	7.89	97	2347	1.166	ug/L	87
47) Tetrachloroethene	8.02	164	2556	1.035	ug/L	94
49) 2-Hexanone	8.19	43	4057	3.002	ug/L	93
50) Dibromochloromethane	8.30	129	2510	1.087	ug/L	99
51) 1,2-Dibromoethane	8.40	107	2212	1.094	ug/L #	99
52) Chlorobenzene	8.93	112	7838	1.140	ug/L	95
53) Ethylbenzene	9.06	91	11018	0.962	ug/L	97
54) m,p-Xylene	9.18	106	4389	1.012	ug/L	98
55) o-xylene	9.59	106	4263	1.058	ug/L	91
56) Styrene	9.61	104	6114	0.940	ug/L	96
57) Isopropylbenzene	9.98	105	10949	1.000	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	2564	1.178	ug/L	84
59) 1,2,3-Trichloropropane	10.32	75	2153	1.143	ug/L	99
62) Bromoform	9.78	173	1335	1.013	ug/L #	80
63) 1,3-Dichlorobenzene	11.23	146	5126	1.090	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	5893	1.217	ug/L	89
65) 1,2-Dichlorobenzene	11.69	146	5304	1.223	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	249m	0.701	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3469	1.021	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	2007	0.843	ug/L	96
69) Naphthalene	13.56	128	2731	0.666	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.79	180	1763	0.802	ug/L	99

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

