

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008896.D
 Acq On : 11 Dec 2018 13:29
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:29 AM

Quant Time: Dec 12 11:11:33 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	214475	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	186858	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77994	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54861	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.88%
7) Chloroethane-d5	1.58	69	52372	31.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.76%
10) 1,1-Dichloroethene-d2	2.13	63	106565	19.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.80%
20) 2-Butanone-d5	3.94	46	42552	52.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.32%
24) Chloroform-d	4.40	84	124959	24.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.96%
26) 1,2-Dichloroethane-d4	5.08	65	72460	25.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.00%
29) Benzene-d6	5.10	84	254751	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
33) 1,2-Dichloropropane-d6	6.12	67	73802	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.04%
37) Toluene-d8	7.36	98	231279	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.80%
38) trans-1,3-Dichloropropene-	7.67	79	31623	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.52%
39) 2-Hexanone-d5	8.13	63	27227	50.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56590	23.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	71424	24.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4341	1.235	ug/L	87
3) Chloromethane	1.25	50	2891	1.197	ug/L	98
5) Vinyl chloride	1.32	62	3071	1.139	ug/L #	60
6) Bromomethane	1.53	94	1769	1.364	ug/L	96
8) Chloroethane	1.60	64	2399	1.588	ug/L #	81
9) Trichlorofluoromethane	1.77	101	6403	1.386	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4415	1.394	ug/L	87
12) 1,1-Dichloroethene	2.14	96	3996	1.445	ug/L #	1
13) Acetone	2.20	43	3248	2.728	ug/L	90
14) Carbon disulfide	2.32	76	9339	1.052	ug/L	100
15) Methyl Acetate	2.46	43	1764	1.168	ug/L #	83
16) Methylene chloride	2.54	84	9610	2.661	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	6720	1.070	ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	3335	1.116	ug/L	97
19) 1,1-Dichloroethane	3.23	63	5273	1.089	ug/L	97
21) 2-Butanone	4.05	43	1714m	1.536	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3175	1.019	ug/L	94

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

23) Bromochloromethane	4.31	128	1529	1.041	ug/L	89
25) Chloroform	4.43	83	7454	1.434	ug/L #	68
27) 1,2-Dichloroethane	5.18	62	3829	1.081	ug/L #	94
30) Cyclohexane	4.73	56	4973	1.057	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	5209	1.081	ug/L #	76
32) Carbon tetrachloride	4.88	117	4850	1.103	ug/L	98
34) Benzene	5.15	78	12546	1.121	ug/L	100
35) Trichloroethene	5.96	95	3889	1.152	ug/L	95
36) Methylcyclohexane	6.18	83	6034	1.121	ug/L	97
40) 1,2-Dichloropropane	6.22	63	3129	1.165	ug/L #	85
41) Bromodichloromethane	6.56	83	3830	1.082	ug/L #	92
42) cis-1,3-Dichloropropene	7.07	75	4424	1.125	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	5017	2.763	ug/L	97
44) Toluene	7.43	91	13342	1.136	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	3642	1.062	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	2361	1.055	ug/L	87
47) Tetrachloroethene	8.02	164	3007	1.096	ug/L	96
49) 2-Hexanone	8.19	43	5697	3.792	ug/L #	87
50) Dibromochloromethane	8.29	129	2924	1.139	ug/L	99
51) 1,2-Dibromoethane	8.40	107	2258	1.004	ug/L #	99
52) Chlorobenzene	8.93	112	8657	1.132	ug/L	93
53) Ethylbenzene	9.06	91	13201	1.036	ug/L	99
54) m,p-Xylene	9.19	106	4883	1.013	ug/L	96
55) o-xylene	9.59	106	4420	0.986	ug/L	93
56) Styrene	9.61	104	6611	0.915	ug/L	97
57) Isopropylbenzene	9.98	105	11838	0.972	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	2869	1.185	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2471	1.180	ug/L	98
62) Bromoform	9.78	173	1387	0.985	ug/L #	94
63) 1,3-Dichlorobenzene	11.23	146	5521	1.099	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	5918	1.144	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	5488	1.185	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	407m	1.072	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3339	0.920	ug/L #	92
68) 1,2,4-trichlorobenzene	13.31	180	2335	0.918	ug/L #	83
69) Naphthalene	13.56	128	2799	0.639	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.80	180	1685	0.717	ug/L #	83

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

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