

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024857.D
 Acq On : 02 Mar 2022 19:17
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 03 03:50:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 02:51:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	305190	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	283322	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	134937	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	136723	25.258	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.040%
7) Chloroethane-d5	1.568	69	104052	25.831	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.320%
11) 1,1-Dichloroethene-d2	2.108	63	170584	19.709	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.840%
21) 2-Butanone-d5	3.905	46	71875	44.878	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.760%
24) Chloroform-d	4.349	84	215262	25.192	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.760%
26) 1,2-Dichloroethane-d4	5.031	65	119848	26.477	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.920%
32) Benzene-d6	5.047	84	462571	26.385	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.560%
36) 1,2-Dichloropropane-d6	6.069	67	142507	27.353	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.400%
41) Toluene-d8	7.313	98	411508	25.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.960%
43) trans-1,3-Dichloroprop...	7.619	79	57055	25.502	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.000%
47) 2-Hexanone-d5	8.088	63	52860	44.279	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.560%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	117114	25.472	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.880%
66) 1,2-Dichlorobenzene-d4	11.622	152	139737	26.853	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.130	85	5031	1.020	ug/L	99
3) Chloromethane	1.240	50	5337	1.127	ug/L	96
5) Vinyl chloride	1.310	62	5862	1.164	ug/L #	67
6) Bromomethane	1.523	94	3512	1.139	ug/L	95
8) Chloroethane	1.584	64	3386	1.110	ug/L	99
9) Trichlorofluoromethane	1.754	101	7345	1.103	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	5595	1.396	ug/L #	81
12) 1,1-Dichloroethene	2.114	96	5325	1.423	ug/L #	1
13) Acetone	2.195	43	2505m	2.262	ug/L	
14) Carbon disulfide	2.294	76	13446	1.029	ug/L	98
15) Methyl Acetate	2.445	43	2249	0.941	ug/L	92
16) Methylene chloride	2.507	84	8602	1.887	ug/L	96
17) trans-1,2-Dichloroethene	2.764	96	4568	1.080	ug/L	90
18) Methyl tert-butyl Ether	2.770	73	10524	1.050	ug/L	98
19) 1,1-Dichloroethane	3.191	63	7478	1.020	ug/L	96
20) cis-1,2-Dichloroethene	3.918	96	4688	1.066	ug/L	97
22) 2-Butanone	4.024	43	3086m	2.194	ug/L	
23) Bromochloromethane	4.259	128	2017	1.017	ug/L	92
25) Chloroform	4.378	83	11872	1.599	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.143	62	5570	1.198	ug/L	96
29) Cyclohexane	4.674	56	6814	0.988	ug/L	92
30) 1,1,1-Trichloroethane	4.606	97	6912	1.073	ug/L	97
31) Carbon tetrachloride	4.831	117	5398	0.973	ug/L	88
33) Benzene	5.101	78	18271	1.117	ug/L	100
34) Trichloroethene	5.918	95	5498	1.166	ug/L	96
35) Methylcyclohexane	6.127	83	7097	0.915	ug/L	95
37) 1,2-Dichloropropane	6.185	63	4860	1.235	ug/L #	86
38) Bromodichloromethane	6.516	83	5867	1.147	ug/L	91
39) cis-1,3-Dichloropropene	7.030	75	6238	1.063	ug/L	95
40) 4-Methyl-2-pentanone	7.236	43	5940	1.976	ug/L	92
42) Toluene	7.391	91	25342	1.474	ug/L	94
44) trans-1,3-Dichloropropene	7.654	75	5579m	1.073	ug/L	
45) 1,1,2-Trichloroethane	7.847	97	3834	1.137	ug/L	89
46) Tetrachloroethene	7.976	164	3017	0.987	ug/L	98
48) 2-Hexanone	8.149	43	8548	4.080	ug/L #	93
49) Dibromochloromethane	8.249	129	3687	1.042	ug/L	93
50) 1,2-Dibromoethane	8.355	107	3759	1.123	ug/L #	97
51) Chlorobenzene	8.883	112	12439	1.127	ug/L	98
52) Ethylbenzene	9.014	91	19312	1.032	ug/L	98
53) m,p-Xylene	9.140	106	7815	1.094	ug/L	88
54) o-Xylene	9.545	106	6562	0.980	ug/L	97
55) Styrene	9.564	104	10940	0.957	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	4625	1.201	ug/L #	92
59) Bromoform	9.731	173	1784	0.985	ug/L #	93
60) Isopropylbenzene	9.931	105	18153	1.022	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	3572	1.083	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	13929	1.047	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	14820	1.009	ug/L	97
64) 1,3-Dichlorobenzene	11.185	146	8782	1.096	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	9356	1.151	ug/L	96
67) 1,2-Dichlorobenzene	11.641	146	8890	1.200	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.435	75	635m	0.938	ug/L	
69) 1,3,5-Trichlorobenzene	12.644	180	5698	1.001	ug/L	94
70) 1,2,4-trichlorobenzene	13.262	180	4918	0.992	ug/L	98
71) Naphthalene	13.503	128	12079	0.986	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	4671	1.020	ug/L	99

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

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