

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024853.D
 Acq On : 02 Mar 2022 13:40
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV206

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/03/2022
 Supervised By : Mahesh Dadoda 03/03/2022

Quant Time: Mar 03 02:58:09 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	5.609	114	347203	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	322329	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	160308	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	178467	28.981	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.920%
7) Chloroethane-d5	1.564	69	128654	28.074	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.280%
11) 1,1-Dichloroethene-d2	2.105	63	263819	26.793	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.160%
21) 2-Butanone-d5	3.892	46	77198	42.369	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.740%
24) Chloroform-d	4.339	84	274611	28.249	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.000%
26) 1,2-Dichloroethane-d4	5.024	65	139163	27.024	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.080%
32) Benzene-d6	5.040	84	581619	29.161	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.640%
36) 1,2-Dichloropropane-d6	6.063	67	172016	29.021	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.080%
41) Toluene-d8	7.310	98	529374	29.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.560%
43) trans-1,3-Dichloroprop...	7.616	79	74625	29.318	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.280%
47) 2-Hexanone-d5	8.085	63	58255	42.892	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.780%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	128854	24.634	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.520%
66) 1,2-Dichlorobenzene-d4	11.622	152	173439	28.054	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	112385	20.030	ug/L	100
3) Chloromethane	1.240	50	110579	20.518	ug/L	99
5) Vinyl chloride	1.307	62	118022	20.600	ug/L	98
6) Bromomethane	1.519	94	75025	21.386	ug/L	99
8) Chloroethane	1.581	64	70495	20.305	ug/L	97
9) Trichlorofluoromethane	1.748	101	156119	20.610	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	95600	20.963	ug/L	100
12) 1,1-Dichloroethene	2.114	96	88497	20.785	ug/L	86
13) Acetone	2.185	43	41884m	33.246	ug/L	
14) Carbon disulfide	2.288	76	311395	20.947	ug/L	99
15) Methyl Acetate	2.433	43	46431	17.079	ug/L	95
16) Methylene chloride	2.500	84	108385	20.894	ug/L	98
17) trans-1,2-Dichloroethene	2.754	96	103809	21.576	ug/L	95
18) Methyl tert-butyl Ether	2.761	73	245464	21.521	ug/L	100
19) 1,1-Dichloroethane	3.182	63	177128	21.232	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	110028	21.984	ug/L	96
22) 2-Butanone	3.982	43	50424	31.507	ug/L	76
23) Bromochloromethane	4.240	128	50426	22.346	ug/L	94
25) Chloroform	4.365	83	184245	21.815	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	116762	22.074	ug/L	99
29) Cyclohexane	4.670	56	167932	21.406	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	156922	21.421	ug/L	100
31) Carbon tetrachloride	4.818	117	134435	21.292	ug/L	99
33) Benzene	5.092	78	413864	22.247	ug/L	100
34) Trichloroethene	5.905	95	115299	21.497	ug/L	98
35) Methylcyclohexane	6.124	83	191434	21.704	ug/L	99
37) 1,2-Dichloropropane	6.166	63	102294	22.848	ug/L	99
38) Bromodichloromethane	6.503	83	131897	22.670	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	157740	23.627	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	125309	36.648	ug/L	99
42) Toluene	7.381	91	448706	22.940	ug/L	99
44) trans-1,3-Dichloropropene	7.645	75	139619	23.601	ug/L	100
45) 1,1,2-Trichloroethane	7.834	97	82930	21.624	ug/L	99
46) Tetrachloroethene	7.969	164	75111	21.595	ug/L	99
48) 2-Hexanone	8.137	43	89237	37.439	ug/L	97
49) Dibromochloromethane	8.239	129	92221	22.906	ug/L	100
50) 1,2-Dibromoethane	8.349	107	82307	21.606	ug/L	100
51) Chlorobenzene	8.876	112	279463	22.258	ug/L	100
52) Ethylbenzene	9.008	91	476977	22.407	ug/L	99
53) m,p-Xylene	9.133	106	184102	22.651	ug/L	98
54) o-Xylene	9.538	106	177317	23.279	ug/L	100
55) Styrene	9.554	104	307629	23.660	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	89568	20.446	ug/L	97
59) Bromoform	9.728	173	46694	21.697	ug/L	100
60) Isopropylbenzene	9.927	105	477626	22.645	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	74900	19.115	ug/L	99
62) 1,3,5-Trimethylbenzene	10.535	105	329695	20.867	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	409134	23.447	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	214894	22.572	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	216527	22.417	ug/L	100
67) 1,2-Dichlorobenzene	11.638	146	200425	22.779	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	14114	17.543	ug/L	92
69) 1,3,5-Trichlorobenzene	12.641	180	153050	22.622	ug/L	100
70) 1,2,4-trichlorobenzene	13.259	180	135163	22.940	ug/L	100
71) Naphthalene	13.500	128	317396	21.813	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	122991	22.599	ug/L	99

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

