

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070124\
 Data File : VW036406.D
 Acq On : 02 Jul 2024 04:05
 Operator : SY/MD
 Sample : P3087-02MS
 Misc : 5.30g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CB7MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

Quant Time: Jul 02 05:29:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 05:19:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	563422	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	544543	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	260599	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	122323	12.784	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	51.120%
7) Chloroethane-d5	1.526	69	117832	15.417	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.680%
11) 1,1-Dichloroethene-d2	2.050	65	57920	12.876	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.520%
21) 2-Butanone-d5	3.867	46	30726	13.836	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.680%
24) Chloroform-d	4.240	84	305421	18.365	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.440%
26) 1,2-Dichloroethane-d4	4.937	65	156823	17.682	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	70.720%
32) Benzene-d6	4.953	84	565318	18.391	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.560%
36) 1,2-Dichloropropane-d6	5.982	67	177637	19.212	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.840%
41) Toluene-d8	7.239	98	511454	18.454	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	7.551	79	60102	14.556	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	58.240%
47) 2-Hexanone-d5	8.034	63	22326	15.127	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	30.260%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	128430	16.945	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.760%
66) 1,2-Dichlorobenzene-d4	11.558	152	170664	17.971	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.880%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	159056	14.858	ug/L	100
3) Chloromethane	1.211	50	166352	17.167	ug/L	99
5) Vinyl chloride	1.275	62	189316	16.919	ug/L	99
6) Bromomethane	1.481	94	112342	14.928	ug/L	98
8) Chloroethane	1.542	64	127271	18.455	ug/L	98
9) Trichlorofluoromethane	1.706	101	243920	15.264	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	153651	15.329	ug/L	98
12) 1,1-Dichloroethene	2.063	96	155165	17.484	ug/L	79
13) Acetone	2.166	43	39131m	13.042	ug/L	
14) Carbon disulfide	2.233	76	386172	13.792	ug/L	100
15) Methyl Acetate	2.388	43	31235	8.090	ug/L	97
16) Methylene chloride	2.439	84	215285	19.409	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	164450	18.663	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	382749	18.660	ug/L	99
19) 1,1-Dichloroethane	3.105	63	310967	19.849	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	173014	19.522	ug/L	99
22) 2-Butanone	3.921	43	58057	22.949	ug/L #	63
23) Bromochloromethane	4.140	128	88909	19.240	ug/L	98
25) Chloroform	4.268	83	335333	20.068	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	204887	18.936	ug/L	99
29) Cyclohexane	4.574	56	180568	15.565	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	261072	19.336	ug/L	99
31) Carbon tetrachloride	4.728	117	219384	18.236	ug/L	99
33) Benzene	5.002	78	671359	20.815	ug/L	100
34) Trichloroethene	5.828	95	189598	18.629	ug/L	97
35) Methylcyclohexane	6.047	83	218939	15.436	ug/L	99
37) 1,2-Dichloropropane	6.088	63	170507	20.700	ug/L	98
38) Bromodichloromethane	6.429	83	234121	20.781	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	210921	16.652	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	134271	28.903	ug/L	99
42) Toluene	7.310	91	701530	20.802	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	189262	16.613	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	137690	18.912	ug/L	99
46) Tetrachloroethene	7.902	164	130274	17.612	ug/L	99
48) 2-Hexanone	8.079	43	93772	25.662	ug/L	90
49) Dibromochloromethane	8.172	129	159108	19.604	ug/L	99
50) 1,2-Dibromoethane	8.278	107	128881	17.969	ug/L	99
51) Chlorobenzene	8.808	112	445502	19.325	ug/L	99
52) Ethylbenzene	8.944	91	702372	19.299	ug/L	99
53) m,p-Xylene	9.069	106	267294	19.706	ug/L	99
54) o-Xylene	9.474	106	255818	20.056	ug/L	99
55) Styrene	9.493	104	433525	19.393	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	114905	17.634	ug/L	98
59) Bromoform	9.661	173	95287	19.316	ug/L	99
60) Isopropylbenzene	9.863	105	657081	20.859	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	108063	18.375	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	458866	20.354	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	510794	20.850	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	320759	19.541	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	330524	18.785	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	302833	19.325	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	21301	16.144	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	182595	14.773	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	129341	13.122	ug/L	99
71) Naphthalene	13.435	128	227005	12.917	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	123837	13.361	ug/L	100

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

