

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036265.D
 Acq On : 25 Jun 2024 00:04
 Operator : SY/MD
 Sample : P3035-02MS
 Misc : 4.82g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CW2MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Jun 25 06:30:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	469599	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	409411	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	150915	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	139055	16.106	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.440%
7) Chloroethane-d5	1.526	69	122302	17.766	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.080%
11) 1,1-Dichloroethene-d2	2.050	65	60461	15.731	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.920%
21) 2-Butanone-d5	3.844	46	56453m	28.499	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.000%
24) Chloroform-d	4.243	84	267605	17.924	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.680%
26) 1,2-Dichloroethane-d4	4.937	65	152910	19.535	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.120%
32) Benzene-d6	4.953	84	506841	20.827	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.320%
36) 1,2-Dichloropropane-d6	5.985	67	161451	21.067	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.280%
41) Toluene-d8	7.239	98	435329	20.274	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.080%
43) trans-1,3-Dichloroprop...	7.551	79	49110	15.629	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	62.520%
47) 2-Hexanone-d5	8.034	63	28268	27.224	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.440%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	125182	21.859	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.440%
66) 1,2-Dichlorobenzene-d4	11.558	152	101868	18.407	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.640%#
Target Compounds						
2) Dichlorodifluoromethane	1.101	85	96780	11.430	ug/L	99
3) Chloromethane	1.211	50	97381	10.021	ug/L	99
5) Vinyl chloride	1.275	62	125294	12.248	ug/L	99
6) Bromomethane	1.481	94	67084	10.570	ug/L	100
8) Chloroethane	1.542	64	83174	13.080	ug/L	99
9) Trichlorofluoromethane	1.706	101	175442	13.810	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	104177	12.921	ug/L	98
12) 1,1-Dichloroethene	2.060	96	101803	13.538	ug/L	82
13) Acetone	2.159	43	45364m	14.702	ug/L	
14) Carbon disulfide	2.233	76	270158	10.345	ug/L	100
15) Methyl Acetate	2.391	43	26709	6.964	ug/L	92
16) Methylene chloride	2.442	84	147300	13.862	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	99035	12.398	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	288592	16.093	ug/L	99
19) 1,1-Dichloroethane	3.105	63	206144	13.551	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	105986	13.204	ug/L	99
22) 2-Butanone	3.924	43	58990m	22.531	ug/L	
23) Bromochloromethane	4.143	128	60029	14.909	ug/L	98
25) Chloroform	4.268	83	221511	14.155	ug/L	100

06/26/2024
 Supervised By :Semsettin
 Kesilyurt

06/26/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	149935	15.347	ug/L	99
29) Cyclohexane	4.577	56	96933	9.944	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	167297	14.947	ug/L	100
31) Carbon tetrachloride	4.728	117	138133	14.068	ug/L	100
33) Benzene	5.005	78	422588	15.782	ug/L	100
34) Trichloroethene	5.828	95	112945	13.763	ug/L	99
35) Methylcyclohexane	6.047	83	88727	7.818	ug/L	98
37) 1,2-Dichloropropane	6.088	63	115476	16.424	ug/L	98
38) Bromodichloromethane	6.429	83	156294	16.795	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	110971	10.552	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	120906	31.651	ug/L	98
42) Toluene	7.313	91	407060	14.877	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	108948	11.994	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	101122	17.382	ug/L	99
46) Tetrachloroethene	7.902	164	67840	11.303	ug/L	97
48) 2-Hexanone	8.082	43	64377	21.557	ug/L	97
49) Dibromochloromethane	8.175	129	106882	16.787	ug/L	100
50) 1,2-Dibromoethane	8.281	107	86354	15.470	ug/L	99
51) Chlorobenzene	8.812	112	242438	13.005	ug/L	99
52) Ethylbenzene	8.944	91	357211	12.203	ug/L	99
53) m,p-Xylene	9.072	106	132090	12.009	ug/L	100
54) o-Xylene	9.477	106	127713	12.312	ug/L	97
55) Styrene	9.493	104	211329	11.553	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	93588	17.966	ug/L	99
59) Bromoform	9.664	173	64640	22.712	ug/L	98
60) Isopropylbenzene	9.866	105	284035	14.670	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	88119	24.688	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	172246	12.269	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	192092	12.699	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	130653	12.850	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	140005	13.340	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	128347	13.414	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	17283	21.654	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	51462	6.766	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	35255	5.887	ug/L	99
71) Naphthalene	13.439	128	87171	8.919	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	31883	5.834	ug/L	99

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

