

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060624\
 Data File : VW035982.D
 Acq On : 06 Jun 2024 13:10
 Operator : SY/MD
 Sample : P2695-26MS
 Misc : 5.56g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4BN3MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/07/2024
 Supervised By :Semsettin Yesilyurt 06/07/2024

Quant Time: Jun 07 02:18:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 02:16:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	402736	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	279026	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	69324	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	134585	18.177	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	72.720%		
7) Chloroethane-d5	1.529	69	126622	21.447	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	85.800%		
11) 1,1-Dichloroethene-d2	2.053	65	58164	17.646	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	70.600%		
21) 2-Butanone-d5	3.844	46	73483m	43.255	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	86.520%		
24) Chloroform-d	4.246	84	286317	22.362	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	89.440%		
26) 1,2-Dichloroethane-d4	4.941	65	154625	23.033	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	92.120%		
32) Benzene-d6	4.957	84	485576	29.276	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	117.120%		
36) 1,2-Dichloropropane-d6	5.986	67	177246	33.935	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	135.720%#		
41) Toluene-d8	7.239	98	342914	23.432	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	93.720%		
43) trans-1,3-Dichloroprop...	7.555	79	55099	25.728	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	102.920%		
47) 2-Hexanone-d5	8.034	63	46614	65.871	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	131.740%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	108319	27.752	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	111.000%		
66) 1,2-Dichlorobenzene-d4	11.561	152	50719	19.951	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	79.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	72726	10.015	ug/L	99
3) Chloromethane	1.211	50	78771	9.452	ug/L	99
5) Vinyl chloride	1.278	62	87547	9.979	ug/L	99
6) Bromomethane	1.484	94	48824	8.970	ug/L	99
8) Chloroethane	1.545	64	62557	11.471	ug/L	98
9) Trichlorofluoromethane	1.709	101	117866	10.818	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	66227	9.578	ug/L	99
12) 1,1-Dichloroethene	2.063	96	68777	10.664	ug/L #	73
13) Acetone	2.156	43	49163m	18.578	ug/L	
14) Carbon disulfide	2.233	76	103337	4.614	ug/L	100
15) Methyl Acetate	2.391	43	35112	10.675	ug/L	99
16) Methylene chloride	2.442	84	124278	13.637	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	67536	9.858	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	231224	15.034	ug/L	99
19) 1,1-Dichloroethane	3.108	63	179854	13.786	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	83099	12.072	ug/L	100
22) 2-Butanone	3.925	43	64046m	28.523	ug/L	
23) Bromochloromethane	4.146	128	44715	12.950	ug/L	94
25) Chloroform	4.272	83	182907	13.629	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	112866	13.471	ug/L	100
29) Cyclohexane	4.577	56	46401	6.984	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	132223	17.334	ug/L	100
31) Carbon tetrachloride	4.732	117	96549	14.427	ug/L	99
33) Benzene	5.008	78	313662	17.188	ug/L	100
34) Trichloroethene	5.831	95	75046	13.418	ug/L	98
35) Methylcyclohexane	6.047	83	38244	4.944	ug/L	97
37) 1,2-Dichloropropane	6.092	63	94615	19.745	ug/L	98
38) Bromodichloromethane	6.432	83	121061	19.088	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	106424	14.849	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	112349	43.154	ug/L	98
42) Toluene	7.313	91	259564	13.920	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	96553	15.597	ug/L	97
45) 1,1,2-Trichloroethane	7.770	97	75085	18.938	ug/L	98
46) Tetrachloroethene	7.905	164	35877	8.771	ug/L	98
48) 2-Hexanone	8.082	43	81693	40.138	ug/L	95
49) Dibromochloromethane	8.175	129	72380	16.680	ug/L	100
50) 1,2-Dibromoethane	8.284	107	62804	16.508	ug/L	97
51) Chlorobenzene	8.812	112	142680	11.230	ug/L	99
52) Ethylbenzene	8.947	91	191238	9.585	ug/L	100
53) m,p-Xylene	9.072	106	65964	8.799	ug/L	97
54) o-Xylene	9.477	106	65518	9.268	ug/L	98
55) Styrene	9.497	104	109618	8.793	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	60806	17.127	ug/L	99
59) Bromoform	9.664	173	39726	30.387	ug/L #	97
60) Isopropylbenzene	9.866	105	142311	16.001	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	58091	35.431	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	83281	12.913	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	78184	11.252	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	53341	11.420	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	54690	11.344	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	50565	11.505	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	9385	25.598	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	19205	5.497	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	12678	4.609	ug/L	99
71) Naphthalene	13.442	128	29021	6.464	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	9894	3.941	ug/L	99

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

