

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072624\
 Data File : VW036719.D
 Acq On : 25 Jul 2024 19:51
 Operator : SY/MD
 Sample : P3276-19MS
 Misc : 9.14g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E20J7MS

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/26/2024
 Supervised By :Mahesh Dadoda 07/26/2024

Quant Time: Jul 26 05:03:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 25 00:49:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	444892	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	400770	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	151727	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	46501	9.543	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	38.160%		
7) Chloroethane-d5	1.529	69	59374	13.491	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	53.960%		
11) 1,1-Dichloroethene-d2	2.050	65	22981	8.920	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	35.680%#		
21) 2-Butanone-d5	3.841	46	56236	49.453	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.900%		
24) Chloroform-d	4.256	84	37548	3.191	ug/L	0.02
Spiked Amount 25.000	Range 40 - 150		Recovery =	12.760%#		
26) 1,2-Dichloroethane-d4	4.941	65	127527	21.969	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	87.880%		
32) Benzene-d6	4.957	84	309193	16.278	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	65.120%		
36) 1,2-Dichloropropane-d6	5.986	67	114110	21.084	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	84.320%		
41) Toluene-d8	7.240	98	253831	14.003	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	56.000%		
43) trans-1,3-Dichloroprop...	7.555	79	41714	17.338	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	69.360%		
47) 2-Hexanone-d5	8.030	63	36044	50.043	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	100.080%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	1310	0.278	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	1.120%#		
66) 1,2-Dichlorobenzene-d4	11.558	152	103208	19.486	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	77.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	149037	19.753	ug/L	99
3) Chloromethane	1.211	50	124440	21.438	ug/L	99
5) Vinyl chloride	1.278	62	150431	20.956	ug/L	100
6) Bromomethane	1.484	94	120536	21.001	ug/L	99
8) Chloroethane	1.545	64	99588	21.407	ug/L	99
9) Trichlorofluoromethane	1.709	101	251880	20.209	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	146091	18.838	ug/L	99
12) 1,1-Dichloroethene	2.063	96	148744	21.672	ug/L	88
13) Acetone	2.156	43	124983m	67.658	ug/L	
14) Carbon disulfide	2.230	76	352298	18.494	ug/L	99
15) Methyl Acetate	2.391	43	7995m	3.710	ug/L	
16) Methylene chloride	2.439	84	175025	21.144	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	139703	20.155	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	331360	22.793	ug/L	100
19) 1,1-Dichloroethane	3.105	63	229446	21.099	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	146447	20.231	ug/L	99
22) 2-Butanone	3.908	43	75450	48.117	ug/L #	65
23) Bromochloromethane	4.143	128	85320	22.178	ug/L	100
25) Chloroform	4.269	83	465064	35.429	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	174215	22.118	ug/L	98
29) Cyclohexane	4.577	56	123322	17.259	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	228852	22.072	ug/L	100
31) Carbon tetrachloride	4.728	117	173562	17.917	ug/L	98
33) Benzene	5.005	78	517549	22.740	ug/L	100
34) Trichloroethene	5.828	95	292996	39.338	ug/L	97
35) Methylcyclohexane	6.047	83	128309	12.938	ug/L	99
37) 1,2-Dichloropropane	6.088	63	121699	23.234	ug/L	100
38) Bromodichloromethane	6.429	83	185427	21.713	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	180684	21.009	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	137253	56.116	ug/L	98
42) Toluene	7.310	91	548643	21.764	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	148131	19.179	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	115102	22.532	ug/L	98
46) Tetrachloroethene	7.902	164	121296	16.411	ug/L	98
48) 2-Hexanone	8.079	43	112675	58.756	ug/L	96
49) Dibromochloromethane	8.172	129	140564	21.840	ug/L	98
50) 1,2-Dibromoethane	8.281	107	120262	23.432	ug/L	100
51) Chlorobenzene	8.812	112	352304	19.302	ug/L	99
52) Ethylbenzene	8.944	91	512796	18.493	ug/L	100
53) m,p-Xylene	9.069	106	207135	19.133	ug/L	97
54) o-Xylene	9.477	106	189794	18.246	ug/L	99
55) Styrene	9.493	104	342507	19.419	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.204	83	2824	0.610	ug/L #	90
59) Bromoform	9.664	173	88465	30.959	ug/L	98
60) Isopropylbenzene	9.863	105	452806	24.387	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	90456	33.818	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	298300	20.597	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	307153	20.951	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	204985	19.749	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	210978	19.738	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	183804	19.045	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	17276	27.427	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	81272	9.926	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	56035	8.425	ug/L	100
71) Naphthalene	13.439	128	117573	11.884	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	46435	7.738	ug/L	97

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

