

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036263.D
 Acq On : 24 Jun 2024 23:17
 Operator : SY/MD
 Sample : P3010-02MS
 Misc : 4.14g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CG2MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 25 06:29:27 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	426367	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	307885	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	82294	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	185913	23.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.880%
7) Chloroethane-d5	1.526	69	166252	26.599	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.400%
11) 1,1-Dichloroethene-d2	2.050	65	78472	22.487	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.960%
21) 2-Butanone-d5	3.860	46	49774m	27.675	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.360%
24) Chloroform-d	4.243	84	350168	25.833	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.320%
26) 1,2-Dichloroethane-d4	4.937	65	176666	24.858	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.440%
32) Benzene-d6	4.953	84	665239	36.349	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	145.400%#
36) 1,2-Dichloropropane-d6	5.982	67	220583	38.274	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	153.080%#
41) Toluene-d8	7.239	98	517535	32.050	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	128.200%
43) trans-1,3-Dichloroprop...	7.551	79	51778	21.911	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.640%
47) 2-Hexanone-d5	8.034	63	27286	34.944	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.880%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	115469	26.811	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	71968	23.848	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	91035	11.842	ug/L	100
3) Chloromethane	1.211	50	92568	10.492	ug/L	97
5) Vinyl chloride	1.275	62	119600	12.877	ug/L	98
6) Bromomethane	1.481	94	59027	10.244	ug/L	99
8) Chloroethane	1.542	64	81976	14.199	ug/L	99
9) Trichlorofluoromethane	1.706	101	170157	14.752	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	92859	12.685	ug/L	99
12) 1,1-Dichloroethene	2.060	96	93236	13.656	ug/L #	68
13) Acetone	2.156	43	28528m	10.183	ug/L	
14) Carbon disulfide	2.233	76	213801	9.017	ug/L	100
15) Methyl Acetate	2.394	43	22152	6.361	ug/L	94
16) Methylene chloride	2.439	84	127468	13.212	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	82812	11.418	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	240405	14.765	ug/L	98
19) 1,1-Dichloroethane	3.105	63	200536	14.519	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	90759	12.454	ug/L	96
22) 2-Butanone	3.924	43	39431m	16.587	ug/L	
23) Bromochloromethane	4.143	128	50158	13.721	ug/L	94
25) Chloroform	4.272	83	209717	14.760	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	122622	13.824	ug/L	99
29) Cyclohexane	4.577	56	75820	10.343	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	160985	19.126	ug/L	100
31) Carbon tetrachloride	4.728	117	129283	17.508	ug/L	99
33) Benzene	5.005	78	397584	19.744	ug/L	100
34) Trichloroethene	5.831	95	90439	14.654	ug/L	98
35) Methylcyclohexane	6.047	83	60927	7.139	ug/L	98
37) 1,2-Dichloropropane	6.092	63	104044	19.678	ug/L	99
38) Bromodichloromethane	6.429	83	135138	19.310	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	97473	12.325	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	74524	25.942	ug/L	98
42) Toluene	7.313	91	350307	17.025	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	83032	12.155	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	80085	18.305	ug/L	99
46) Tetrachloroethene	7.902	164	53612	11.878	ug/L	98
48) 2-Hexanone	8.085	43	37824	16.842	ug/L	97
49) Dibromochloromethane	8.175	129	80981	16.913	ug/L	97
50) 1,2-Dibromoethane	8.281	107	63673	15.168	ug/L	99
51) Chlorobenzene	8.812	112	178565	12.737	ug/L	99
52) Ethylbenzene	8.944	91	264556	12.017	ug/L	99
53) m,p-Xylene	9.072	106	96007	11.607	ug/L	95
54) o-Xylene	9.477	106	91042	11.671	ug/L	100
55) Styrene	9.493	104	133743	9.723	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	63072	16.101	ug/L	98
59) Bromoform	9.664	173	43311	27.907	ug/L	99
60) Isopropylbenzene	9.866	105	193165	18.296	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	57513	29.550	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	103753	13.552	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	107911	13.082	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	70434	12.703	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	70034	12.237	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	65514	12.556	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	8944	20.550	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	24438	5.892	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	13485	4.129	ug/L	99
71) Naphthalene	13.442	128	29095	5.459	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	11028	3.701	ug/L	96

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

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