

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036251.D
 Acq On : 24 Jun 2024 17:10
 Operator : SY/MD
 Sample : P2987-17REMS
 Misc : 4.78g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0TA5REMS

Quant Time: Jun 25 04:59:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 04:55:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	551767	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	568094	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	311205	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	177444	17.492	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.960%
7) Chloroethane-d5	1.529	69	151031	18.672	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.680%
11) 1,1-Dichloroethene-d2	2.053	65	84868	18.793	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.160%
21) 2-Butanone-d5	3.834	46	80396	34.542	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.080%
24) Chloroform-d	4.243	84	337860	19.260	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.040%
26) 1,2-Dichloroethane-d4	4.937	65	180578	19.634	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.520%
32) Benzene-d6	4.953	84	654569	19.384	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.520%
36) 1,2-Dichloropropane-d6	5.985	67	201726	18.970	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	75.880%
41) Toluene-d8	7.239	98	611982	20.539	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.160%
43) trans-1,3-Dichloroprop...	7.551	79	84752	19.437	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.760%
47) 2-Hexanone-d5	8.030	63	57913	40.196	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.400%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	159899	20.122	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.480%
66) 1,2-Dichlorobenzene-d4	11.558	152	222986	19.539	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	113981	11.457	ug/L	99
3) Chloromethane	1.211	50	128475	11.252	ug/L	98
5) Vinyl chloride	1.278	62	146536	12.191	ug/L	99
6) Bromomethane	1.484	94	102359	13.727	ug/L	99
8) Chloroethane	1.545	64	96341	12.895	ug/L	100
9) Trichlorofluoromethane	1.709	101	209806	14.055	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	136743	14.434	ug/L	100
12) 1,1-Dichloroethene	2.063	96	124587	14.100	ug/L	88
13) Acetone	2.146	43	75597	20.851	ug/L	97
14) Carbon disulfide	2.233	76	367198	11.967	ug/L	99
15) Methyl Acetate	2.388	43	55639	12.347	ug/L	96
16) Methylene chloride	2.442	84	157496	12.614	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	121631	12.959	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	296731	14.082	ug/L	99
19) 1,1-Dichloroethane	3.108	63	238041	13.318	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	124884	13.242	ug/L	100
22) 2-Butanone	3.915	43	72641m	23.613	ug/L	
23) Bromochloromethane	4.143	128	68106	14.396	ug/L	96
25) Chloroform	4.272	83	258208	14.043	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	168440	14.674	ug/L	100
29) Cyclohexane	4.577	56	153879	11.377	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	207427	13.356	ug/L	99
31) Carbon tetrachloride	4.728	117	181466	13.319	ug/L	99
33) Benzene	5.005	78	515455	13.873	ug/L	100
34) Trichloroethene	5.828	95	148357	13.028	ug/L	99
35) Methylcyclohexane	6.047	83	189552	12.037	ug/L	98
37) 1,2-Dichloropropane	6.092	63	136784	14.020	ug/L	98
38) Bromodichloromethane	6.429	83	185631	14.375	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	203165	13.923	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	148017	27.925	ug/L	99
42) Toluene	7.313	91	552610	14.555	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	185433	14.712	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	115597	14.320	ug/L	99
46) Tetrachloroethene	7.902	164	105648	12.685	ug/L	99
48) 2-Hexanone	8.079	43	106656	25.738	ug/L	98
49) Dibromochloromethane	8.175	129	128327	14.525	ug/L	100
50) 1,2-Dibromoethane	8.281	107	110523	14.269	ug/L	97
51) Chlorobenzene	8.812	112	363328	14.045	ug/L	98
52) Ethylbenzene	8.944	91	567542	13.972	ug/L	98
53) m,p-Xylene	9.072	106	217277	14.236	ug/L	99
54) o-Xylene	9.477	106	199814	13.882	ug/L	99
55) Styrene	9.493	104	390596	15.389	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	109763	15.185	ug/L	99
59) Bromoform	9.664	173	83036	14.148	ug/L	98
60) Isopropylbenzene	9.866	105	531882	13.322	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	102990	13.993	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	369412	12.760	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	431022	13.818	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	283185	13.506	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	303010	14.001	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	280435	14.213	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	24097	14.641	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	192959	12.303	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	156037	12.635	ug/L	99
71) Naphthalene	13.439	128	314970	15.629	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	154789	13.736	ug/L	98

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

