

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036230.D
 Acq On : 22 Jun 2024 01:18
 Operator : SY/MD
 Sample : P2987-17MS
 Misc : 5.13g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0TA5MS

Manual Integrations
 APPROVED

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

Quant Time: Jun 22 03:03:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	601826	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	611309	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	330500	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	170974	15.452	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.800%
7) Chloroethane-d5	1.526	69	151302	17.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.600%
11) 1,1-Dichloroethene-d2	2.050	65	73745	14.972	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.880%
21) 2-Butanone-d5	3.844	46	63158	24.879	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	49.760%
24) Chloroform-d	4.239	84	340652	17.804	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.200%
26) 1,2-Dichloroethane-d4	4.937	65	179001	17.843	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.360%
32) Benzene-d6	4.953	84	665605	18.317	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	73.280%
36) 1,2-Dichloropropane-d6	5.985	67	203769	17.807	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	71.240%
41) Toluene-d8	7.239	98	602395	18.788	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.160%
43) trans-1,3-Dichloroprop...	7.551	79	75285	16.046	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.200%
47) 2-Hexanone-d5	8.030	63	46802	30.187	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	151332	17.697	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.800%
66) 1,2-Dichlorobenzene-d4	11.557	152	220795	18.218	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.880%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	100418	9.254	ug/L	100
3) Chloromethane	1.211	50	129750	10.419	ug/L	99
5) Vinyl chloride	1.275	62	144853	11.049	ug/L	100
6) Bromomethane	1.481	94	100499	12.356	ug/L	100
8) Chloroethane	1.542	64	97334	11.944	ug/L	98
9) Trichlorofluoromethane	1.706	101	188961	11.606	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	117459	11.367	ug/L	98
12) 1,1-Dichloroethene	2.059	96	115939	12.030	ug/L	84
13) Acetone	2.156	43	42073	10.639	ug/L	99
14) Carbon disulfide	2.233	76	366540	10.952	ug/L	99
15) Methyl Acetate	2.387	43	45329	9.222	ug/L	93
16) Methylene chloride	2.439	84	182636	13.411	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	122067	11.924	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	296998	12.923	ug/L	98
19) 1,1-Dichloroethane	3.104	63	244788	12.556	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	170261	16.551	ug/L	96
22) 2-Butanone	3.924	43	58903m	17.555	ug/L	
23) Bromochloromethane	4.140	128	68322	13.241	ug/L	97
25) Chloroform	4.268	83	264579	13.193	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	166945	13.334	ug/L	100
29) Cyclohexane	4.577	56	144092	9.900	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	200129	11.975	ug/L	99
31) Carbon tetrachloride	4.728	117	169363	11.552	ug/L	100
33) Benzene	5.005	78	534709	13.374	ug/L	100
34) Trichloroethene	5.828	95	146621	11.965	ug/L	99
35) Methylcyclohexane	6.046	83	179655	10.602	ug/L	98
37) 1,2-Dichloropropane	6.088	63	141260	13.456	ug/L	98
38) Bromodichloromethane	6.429	83	191409	13.775	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	196804	12.534	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	123876	21.718	ug/L	98
42) Toluene	7.313	91	586442	14.355	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	169961	12.531	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	112457	12.946	ug/L	99
46) Tetrachloroethene	7.902	164	109042	12.167	ug/L	99
48) 2-Hexanone	8.082	43	82624	18.529	ug/L	97
49) Dibromochloromethane	8.175	129	127300	13.390	ug/L	100
50) 1,2-Dibromoethane	8.281	107	106655	12.796	ug/L	99
51) Chlorobenzene	8.812	112	366018	13.149	ug/L	99
52) Ethylbenzene	8.943	91	671561	15.364	ug/L	100
53) m,p-Xylene	9.069	106	242202	14.747	ug/L	99
54) o-Xylene	9.477	106	237299	15.321	ug/L	96
55) Styrene	9.493	104	394800	14.455	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	107203	13.783	ug/L	99
59) Bromoform	9.664	173	80356	12.892	ug/L	98
60) Isopropylbenzene	9.863	105	539593	12.726	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	94515	12.092	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	400664	13.031	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	484269	14.618	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	288990	12.978	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	304907	13.266	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	283733	13.541	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	20402	11.672	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	196441	11.794	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	154721	11.797	ug/L	99
71) Naphthalene	13.435	128	700393	32.724	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	154183	12.883	ug/L	99

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

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