

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052524\
 Data File : VW035830.D
 Acq On : 26 May 2024 04:44
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025380

Quant Time: May 27 07:20:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 27 05:15:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt

05/28/2024
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	518229	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	539317	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	288185	25.000	ug/L	0.00

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System Monitoring Compounds

4) Vinyl Chloride-d3	1.272	65	187970	23.467	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.880%
7) Chloroethane-d5	1.526	69	150791	23.336	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.360%
11) 1,1-Dichloroethene-d2	2.050	65	79844	22.516	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.080%
21) 2-Butanone-d5	3.854	46	76489m	33.649	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.300%
24) Chloroform-d	4.243	84	358508	23.270	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.080%
26) 1,2-Dichloroethane-d4	4.937	65	188088	24.695	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.760%
32) Benzene-d6	4.954	84	691781	23.433	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.720%
36) 1,2-Dichloropropane-d6	5.986	67	217546	23.878	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	7.240	98	629587	23.962	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.840%
43) trans-1,3-Dichloroprop...	7.551	79	77947	20.005	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.000%
47) 2-Hexanone-d5	8.031	63	49456	30.188	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	178504	20.333	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	224969	22.494	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.960%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.102	85	167639	15.911	ug/L	99
3) Chloromethane	1.211	50	178506	16.875	ug/L	98
5) Vinyl chloride	1.275	62	197151	18.040	ug/L	100
6) Bromomethane	1.481	94	123835	17.896	ug/L	99
8) Chloroethane	1.542	64	134960	20.033	ug/L	98
9) Trichlorofluoromethane	1.706	101	269787	18.913	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	192367	21.374	ug/L	100
12) 1,1-Dichloroethene	2.063	96	173240	21.310	ug/L	92
13) Acetone	2.156	43	83645m	25.137	ug/L	
14) Carbon disulfide	2.233	76	390972	15.184	ug/L	99
15) Methyl Acetate	2.384	43	129473	25.682	ug/L	91
16) Methylene chloride	2.442	84	257898	21.581	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	182094	20.177	ug/L	99
18) Methyl tert-butyl Ether	2.700	73	565977	25.999	ug/L	99
19) 1,1-Dichloroethane	3.105	63	406090	24.002	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	221132	22.603	ug/L	98
22) 2-Butanone	3.921	43	97149m	31.438	ug/L	
23) Bromochloromethane	4.140	128	115281	24.362	ug/L	98
25) Chloroform	4.269	83	440988	25.241	ug/L	99

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27) 1,2-Dichloroethane	5.037	62	278912	25.637	ug/L	100
29) Cyclohexane	4.577	56	219528	17.022	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	331204	22.148	ug/L	99
31) Carbon tetrachloride	4.728	117	278169	21.201	ug/L	99
33) Benzene	5.005	78	836794	23.444	ug/L	100
34) Trichloroethene	5.828	95	241055	23.875	ug/L	99
35) Methylcyclohexane	6.047	83	263822	17.211	ug/L	98
37) 1,2-Dichloropropane	6.088	63	243399	26.137	ug/L	100
38) Bromodichloromethane	6.429	83	325540	25.805	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	300696	20.644	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	281130	50.406	ug/L	97
42) Toluene	7.310	91	890580	23.576	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	269486	21.150	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	210274	26.574	ug/L	99
46) Tetrachloroethene	7.902	164	161798	19.725	ug/L	99
48) 2-Hexanone	8.079	43	151263	36.172	ug/L	98
49) Dibromochloromethane	8.175	129	233430	26.145	ug/L	99
50) 1,2-Dibromoethane	8.281	107	197255	25.305	ug/L	98
51) Chlorobenzene	8.812	112	617121	23.545	ug/L	100
52) Ethylbenzene	8.944	91	966706	23.179	ug/L	99
53) m,p-Xylene	9.069	106	366325	23.151	ug/L	100
54) o-Xylene	9.474	106	360670	24.050	ug/L	99
55) Styrene	9.494	104	682430	26.090	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	216427	22.454	ug/L	99
59) Bromoform	9.664	173	159672	28.193	ug/L	99
60) Isopropylbenzene	9.863	105	964462	25.124	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	193036	28.585	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	781787	25.960	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	799856	25.846	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	508159	25.224	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	523464	25.099	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	492615	25.976	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	39626	25.301	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	322020	20.455	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	262015	19.932	ug/L	99
71) Naphthalene	13.435	128	558560	24.203	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	274928	23.248	ug/L	99

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

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