

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052024\
 Data File : VW035629.D
 Acq On : 20 May 2024 09:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025365

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

Quant Time: May 21 02:05:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	401186	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	415725	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	243993	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	116706	18.821	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.280%
7) Chloroethane-d5	1.529	69	102415	20.473	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.880%
11) 1,1-Dichloroethene-d2	2.053	65	53294	19.414	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.640%
21) 2-Butanone-d5	3.844	46	88396m	50.232	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.460%
24) Chloroform-d	4.243	84	265900	22.294	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.160%
26) 1,2-Dichloroethane-d4	4.937	65	132051	22.396	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	4.953	84	473217	20.795	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.160%
36) 1,2-Dichloropropane-d6	5.982	67	151902	21.630	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.520%
41) Toluene-d8	7.239	98	424321	20.951	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.551	79	64478	21.468	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.880%
47) 2-Hexanone-d5	8.030	63	54943	43.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.020%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	144345	21.330	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	175833	20.765	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	180352	22.112	ug/L	100
3) Chloromethane	1.211	50	178835	21.838	ug/L	99
5) Vinyl chloride	1.278	62	194187	22.953	ug/L	99
6) Bromomethane	1.484	94	119717	22.348	ug/L	98
8) Chloroethane	1.545	64	124504	23.873	ug/L	99
9) Trichlorofluoromethane	1.709	101	266018	24.089	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	174058	24.982	ug/L	99
12) 1,1-Dichloroethene	2.063	96	151064	24.004	ug/L	97
13) Acetone	2.153	43	122602m	47.594	ug/L	
14) Carbon disulfide	2.233	76	401169	20.125	ug/L	100
15) Methyl Acetate	2.384	43	94953m	24.330	ug/L	
16) Methylene chloride	2.442	84	209552	22.651	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	162836	23.307	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	421104	24.987	ug/L	99
19) 1,1-Dichloroethane	3.105	63	330627	25.243	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	180893	23.884	ug/L	96
22) 2-Butanone	3.905	43	119651m	50.017	ug/L	
23) Bromochloromethane	4.140	128	90770	24.779	ug/L	98
25) Chloroform	4.269	83	348125	25.739	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	216511	25.707	ug/L	98
29) Cyclohexane	4.574	56	224775	22.610	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	288521	25.030	ug/L	99
31) Carbon tetrachloride	4.725	117	248908	24.611	ug/L	99
33) Benzene	5.002	78	689157	25.047	ug/L	100
34) Trichloroethene	5.825	95	200734	25.792	ug/L	97
35) Methylcyclohexane	6.043	83	267387	22.629	ug/L	97
37) 1,2-Dichloropropane	6.085	63	188563	26.268	ug/L	100
38) Bromodichloromethane	6.426	83	249645	25.672	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	279546	24.898	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	221447	51.509	ug/L	98
42) Toluene	7.310	91	746330	25.632	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	248873	25.339	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	157472	25.818	ug/L	99
46) Tetrachloroethene	7.902	164	153053	24.206	ug/L	99
48) 2-Hexanone	8.079	43	167931	52.097	ug/L	100
49) Dibromochloromethane	8.172	129	179112	26.025	ug/L	99
50) 1,2-Dibromoethane	8.278	107	152460	25.373	ug/L	99
51) Chlorobenzene	8.809	112	495222	24.511	ug/L	99
52) Ethylbenzene	8.944	91	814807	25.345	ug/L	100
53) m,p-Xylene	9.069	106	310371	25.446	ug/L	99
54) o-Xylene	9.474	106	294790	25.501	ug/L	99
55) Styrene	9.490	104	547723	27.165	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	159959	21.529	ug/L	100
59) Bromoform	9.661	173	115887	24.168	ug/L	99
60) Isopropylbenzene	9.863	105	828698	25.497	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	144263	25.232	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	667893	26.195	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	677843	25.871	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	425715	24.959	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	436340	24.711	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	394350	24.561	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	32197	24.281	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	322871	24.223	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	267265	24.013	ug/L	98
71) Naphthalene	13.435	128	458223	23.452	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	254956	25.464	ug/L	100

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

