

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070124\
 Data File : VW036408.D
 Acq On : 02 Jul 2024 04:51
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025312

Quant Time: Jul 02 05:30:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 05:19:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

07/05/2024
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	358621	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	366199	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	199896	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.272	65	125311	20.575	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.280%
7) Chloroethane-d5	1.526	69	107267	22.050	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.050	65	53707	18.758	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.040%
21) 2-Butanone-d5	3.860	46	53788m	38.052	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.100%
24) Chloroform-d	4.240	84	264979	25.032	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.120%
26) 1,2-Dichloroethane-d4	4.937	65	136839	24.240	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.960%
32) Benzene-d6	4.953	84	492098	23.805	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.240%
36) 1,2-Dichloropropane-d6	5.982	67	151770	24.408	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.640%
41) Toluene-d8	7.236	98	450489	24.170	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.680%
43) trans-1,3-Dichloroprop...	7.551	79	60774	21.887	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.560%
47) 2-Hexanone-d5	8.031	63	39208	39.503	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	113931	22.353	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	170870	23.457	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.840%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.102	85	151419	22.223	ug/L	98
3) Chloromethane	1.211	50	159556	25.870	ug/L	100
5) Vinyl chloride	1.275	62	178434	25.053	ug/L	100
6) Bromomethane	1.481	94	124792	26.052	ug/L	100
8) Chloroethane	1.542	64	115929	26.410	ug/L	99
9) Trichlorofluoromethane	1.706	101	233265	22.933	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	148886	23.336	ug/L	97
12) 1,1-Dichloroethene	2.060	96	144604	25.599	ug/L	87
13) Acetone	2.163	43	47394m	24.817	ug/L	
14) Carbon disulfide	2.233	76	453840	25.465	ug/L	100
15) Methyl Acetate	2.388	43	55132	22.434	ug/L	99
16) Methylene chloride	2.439	84	181712	25.738	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	156884	27.972	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	363162	27.816	ug/L	100
19) 1,1-Dichloroethane	3.105	63	285014	28.581	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	166076	29.441	ug/L	98
22) 2-Butanone	3.921	43	59318m	36.837	ug/L	
23) Bromochloromethane	4.143	128	85454	29.052	ug/L	95
25) Chloroform	4.269	83	309646	29.113	ug/L	99

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27) 1,2-Dichloroethane	5.037	62	193157	28.046	ug/L	100
29) Cyclohexane	4.574	56	181422	23.254	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	243444	26.811	ug/L	99
31) Carbon tetrachloride	4.728	117	207880	25.695	ug/L	99
33) Benzene	5.002	78	621849	28.670	ug/L	100
34) Trichloroethene	5.828	95	187403	27.380	ug/L	98
35) Methylcyclohexane	6.043	83	224580	23.544	ug/L	100
37) 1,2-Dichloropropane	6.088	63	161470	29.149	ug/L	98
38) Bromodichloromethane	6.429	83	220985	29.168	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	232000	27.237	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	152544	48.829	ug/L	99
42) Toluene	7.310	91	672121	29.636	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	203217	26.525	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	135045	27.582	ug/L	99
46) Tetrachloroethene	7.902	164	131845	26.505	ug/L	98
48) 2-Hexanone	8.079	43	97732	39.772	ug/L	98
49) Dibromochloromethane	8.172	129	154665	28.337	ug/L	100
50) 1,2-Dibromoethane	8.278	107	133183	27.612	ug/L	100
51) Chlorobenzene	8.809	112	446377	28.793	ug/L	98
52) Ethylbenzene	8.944	91	705593	28.830	ug/L	99
53) m,p-Xylene	9.069	106	273585	29.993	ug/L	99
54) o-Xylene	9.474	106	260411	30.359	ug/L	97
55) Styrene	9.490	104	475349	31.620	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	112233	25.612	ug/L	98
59) Bromoform	9.661	173	98662	26.074	ug/L	99
60) Isopropylbenzene	9.863	105	686022	28.391	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	110668	24.532	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	502824	29.077	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	564461	30.038	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	363041	28.833	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	373060	27.641	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	341528	28.412	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	23771	23.488	ug/L	95
69) 1,3,5-Trichlorobenzene	12.577	180	262043	27.639	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	199218	26.350	ug/L	100
71) Naphthalene	13.435	128	332208	24.644	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	191760	26.972	ug/L	99

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

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