

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053024\
 Data File : VW035883.D
 Acq On : 30 May 2024 10:15
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050265

Quant Time: May 31 00:07:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/03/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	483721	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	499095	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	278821	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	406713	51.431	ug/L	0.00
7) Chloroethane-d5	1.529	69	318434	50.352	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	172579	49.631	ug/L	0.00
21) 2-Butanone-d5	3.838	46	186398	88.515	ug/L	-0.02
24) Chloroform-d	4.243	84	691419	47.148	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	359517	48.904	ug/L	0.00
32) Benzene-d6	4.953	84	1387894	49.068	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	424013	48.697	ug/L	0.00
41) Toluene-d8	7.240	98	1292262	51.211	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	185043	49.997	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	132357	88.837	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	280485	35.670	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.555	152	454437	45.988	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	388052	40.317	ug/L	100
3) Chloromethane	1.214	50	463589	46.209	ug/L	99
5) Vinyl chloride	1.278	62	481811	46.730	ug/L	99
6) Bromomethane	1.484	94	301866	46.326	ug/L	99
8) Chloroethane	1.545	64	297736	46.993	ug/L	98
9) Trichlorofluoromethane	1.709	101	584014	44.300	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	373248	44.949	ug/L	99
12) 1,1-Dichloroethene	2.066	96	347353	45.679	ug/L	99
13) Acetone	2.156	43	292461m	92.057	ug/L	
14) Carbon disulfide	2.233	76	1230855	48.840	ug/L	100
15) Methyl Acetate	2.384	43	195858	43.549	ug/L	96
16) Methylene chloride	2.442	84	431515	38.758	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	389432	46.304	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	928260	46.666	ug/L	100
19) 1,1-Dichloroethane	3.108	63	732509	46.794	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	409311	45.809	ug/L	99
22) 2-Butanone	3.905	43	264700	91.302	ug/L #	77
23) Bromochloromethane	4.143	128	198708	45.693	ug/L	99
25) Chloroform	4.272	83	753059	46.727	ug/L	99
27) 1,2-Dichloroethane	5.037	62	488896	48.341	ug/L	99
29) Cyclohexane	4.577	56	615466	50.933	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	621601	45.394	ug/L	100
31) Carbon tetrachloride	4.728	117	543252	45.284	ug/L	100
33) Benzene	5.005	78	1588382	48.147	ug/L	100
34) Trichloroethene	5.828	95	486884	51.346	ug/L	99
35) Methylcyclohexane	6.047	83	717737	50.218	ug/L	98
37) 1,2-Dichloropropane	6.088	63	427501	49.959	ug/L	100
38) Bromodichloromethane	6.429	83	533987	46.410	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	670365	50.305	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	483607	94.982	ug/L	98
42) Toluene	7.310	91	1715781	49.343	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	583556	49.988	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	330732	45.680	ug/L	99
46) Tetrachloroethene	7.902	164	341323	45.330	ug/L	99
48) 2-Hexanone	8.076	43	400504	102.842	ug/L	96
49) Dibromochloromethane	8.172	129	371858	45.911	ug/L	99
50) 1,2-Dibromoethane	8.278	107	329619	46.283	ug/L	99
51) Chlorobenzene	8.809	112	1097553	45.891	ug/L	99
52) Ethylbenzene	8.940	91	1901250	49.850	ug/L	100
53) m,p-Xylene	9.069	106	723467	50.159	ug/L	100
54) o-Xylene	9.474	106	690299	50.629	ug/L	98
55) Styrene	9.490	104	1238353	51.944	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	270592	32.748	ug/L	99
59) Bromoform	9.661	173	244030	45.453	ug/L	99
60) Isopropylbenzene	9.863	105	1889932	51.546	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	304476	47.052	ug/L	96
62) 1,3,5-Trimethylbenzene	10.471	105	1427168	50.856	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1564739	53.175	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	911956	47.413	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	927817	46.317	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	855224	47.164	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	69717	46.424	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	692528	46.530	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	579633	46.922	ug/L	99
71) Naphthalene	13.435	128	1030165	47.871	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	539973	48.025	ug/L	99

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

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