

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050624\
 Data File : VW035533.D
 Acq On : 06 May 2024 13:35
 Operator : SY/MD
 Sample : VSTD05057
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050257

Quant Time: May 08 01:29:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:28:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/08/2024
 Supervised By :Semsettin Yesilyurt 05/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	467890	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	486397	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	287065	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	290409	40.157	ug/L	0.00
7) Chloroethane-d5	1.529	69	236138	40.475	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	127705	39.888	ug/L	0.00
21) 2-Butanone-d5	3.825	46	212345m	103.476	ug/L	-0.01
24) Chloroform-d	4.243	84	602248	43.296	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	297665	43.286	ug/L	0.00
32) Benzene-d6	4.957	84	1128865	42.398	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	353696	43.046	ug/L	0.00
41) Toluene-d8	7.240	98	1045805	44.133	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	156572	44.556	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	159928	108.245	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.149	84	369058	46.612	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	427170	42.878	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	413177	43.435	ug/L	99
3) Chloromethane	1.214	50	392426	41.089	ug/L	99
5) Vinyl chloride	1.278	62	428830	43.461	ug/L	100
6) Bromomethane	1.487	94	266946	42.728	ug/L	99
8) Chloroethane	1.549	64	269778	44.354	ug/L	99
9) Trichlorofluoromethane	1.709	101	582625	45.238	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	375565	46.218	ug/L	99
12) 1,1-Dichloroethene	2.066	96	328075	44.699	ug/L	98
13) Acetone	2.159	43	262021m	87.218	ug/L	
14) Carbon disulfide	2.237	76	928610	39.944	ug/L	99
15) Methyl Acetate	2.384	43	213361m	46.558	ug/L	
16) Methylene chloride	2.442	84	406891	37.712	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	369323	45.326	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	973653	49.537	ug/L	100
19) 1,1-Dichloroethane	3.108	63	717575	46.975	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	418069	47.329	ug/L	98
22) 2-Butanone	3.902	43	281823m	100.988	ug/L	
23) Bromochloromethane	4.143	128	201678	47.206	ug/L	98
25) Chloroform	4.272	83	742851	47.094	ug/L	96
27) 1,2-Dichloroethane	5.037	62	472368	48.090	ug/L	100
29) Cyclohexane	4.577	56	547453	47.067	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	629913	46.707	ug/L	99
31) Carbon tetrachloride	4.728	117	552919	46.726	ug/L	99
33) Benzene	5.005	78	1530052	47.530	ug/L	100
34) Trichloroethene	5.828	95	423450	46.503	ug/L	99
35) Methylcyclohexane	6.047	83	652491	47.198	ug/L	99
37) 1,2-Dichloropropane	6.089	63	408862	48.681	ug/L	100
38) Bromodichloromethane	6.429	83	545007	47.902	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	661478	50.354	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	522805	105.519	ug/L	99
42) Toluene	7.310	91	1670948	49.048	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	581267	50.582	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	346472	48.551	ug/L	99
46) Tetrachloroethene	7.902	164	342214	46.259	ug/L	99
48) 2-Hexanone	8.076	43	402392	108.746	ug/L	98
49) Dibromochloromethane	8.172	129	391276	48.592	ug/L	97
50) 1,2-Dibromoethane	8.278	107	342528	48.722	ug/L	99
51) Chlorobenzene	8.809	112	1119001	47.338	ug/L	99
52) Ethylbenzene	8.944	91	1893522	50.341	ug/L	100
53) m,p-Xylene	9.069	106	722343	50.618	ug/L	100
54) o-Xylene	9.474	106	699619	51.727	ug/L	100
55) Styrene	9.490	104	1252923	53.112	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	434531	49.987	ug/L	99
59) Bromoform	9.661	173	275061	48.757	ug/L	100
60) Isopropylbenzene	9.863	105	1935690	50.621	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	325667	48.413	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	1613858	53.800	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	1620608	52.572	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	958374	47.757	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	968964	46.641	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	897246	47.498	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	78759	50.483	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	754644	48.122	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	644955	49.253	ug/L	100
71) Naphthalene	13.435	128	1200253	52.212	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	590587	50.135	ug/L	99

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

