

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036297.D
 Acq On : 27 Jun 2024 08:29
 Operator : SY/MD
 Sample : VSTD00577
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005277

Quant Time: Jun 28 00:03:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:02:06 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
 Supervised By :Semsettin Yesilyurt 07/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	380765	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	379745	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	193166	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	30775	4.759	ug/L	0.00
7) Chloroethane-d5	1.526	69	25217	4.882	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.050	65	15509	5.102	ug/L	0.00
21) 2-Butanone-d5	3.876	46	15450m	10.660	ug/L	0.04
24) Chloroform-d	4.246	84	55917	4.975	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	29342	4.895	ug/L	0.00
32) Benzene-d6	4.956	84	106165	4.952	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	30535	4.271	ug/L	0.00
41) Toluene-d8	7.243	98	89165	4.613	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	13678	4.750	ug/L	0.00
47) 2-Hexanone-d5	8.046	63	8579m	8.304	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.152	84	26111	4.940	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	34769	4.939	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	36926	5.104	ug/L	98
3) Chloromethane	1.211	50	33440	5.106	ug/L	98
5) Vinyl chloride	1.275	62	38815	5.133	ug/L	99
6) Bromomethane	1.481	94	25759	5.065	ug/L	98
8) Chloroethane	1.542	64	24366	5.228	ug/L	98
9) Trichlorofluoromethane	1.706	101	55303	5.121	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	34992	5.165	ug/L	99
12) 1,1-Dichloroethene	2.059	96	30922	5.156	ug/L	97
13) Acetone	2.153	43	20853m	11.125	ug/L	
14) Carbon disulfide	2.230	76	94960	5.018	ug/L	100
15) Methyl Acetate	2.391	43	12797	4.745	ug/L #	89
16) Methylene chloride	2.439	84	43270	5.772	ug/L	100
17) trans-1,2-Dichloroethene	2.686	96	29935	5.027	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	63480	4.579	ug/L	99
19) 1,1-Dichloroethane	3.104	63	53652	5.067	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	28433	4.747	ug/L	97
22) 2-Butanone	3.953	43	16488m	10.984	ug/L	
23) Bromochloromethane	4.149	128	15283	4.894	ug/L	97
25) Chloroform	4.272	83	57680	5.108	ug/L	99
27) 1,2-Dichloroethane	5.043	62	36069	4.933	ug/L	95
29) Cyclohexane	4.574	56	36544	4.517	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	47542	5.049	ug/L	99
31) Carbon tetrachloride	4.728	117	42510	5.067	ug/L	98
33) Benzene	5.008	78	111503	4.957	ug/L	100
34) Trichloroethene	5.834	95	34736	4.894	ug/L	96
35) Methylcyclohexane	6.043	83	45498	4.600	ug/L	98
37) 1,2-Dichloropropane	6.095	63	27772	4.835	ug/L #	96
38) Bromodichloromethane	6.432	83	39432	5.019	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	36262	4.105	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	28789m	8.912	ug/L	
42) Toluene	7.316	91	110116	4.682	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	35017	4.408	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.770	97	25695	5.061	ug/L	95
46) Tetrachloroethene	7.905	164	26490	5.135	ug/L	93
48) 2-Hexanone	8.091	43	22525m	8.779	ug/L	
49) Dibromochloromethane	8.175	129	27889	4.927	ug/L	96
50) 1,2-Dibromoethane	8.284	107	24067	4.812	ug/L	97
51) Chlorobenzene	8.812	112	79992	4.976	ug/L	98
52) Ethylbenzene	8.947	91	114630	4.517	ug/L	100
53) m,p-Xylene	9.072	106	42611	4.505	ug/L	96
54) o-Xylene	9.477	106	37725	4.241	ug/L	99
55) Styrene	9.496	104	64501	4.137	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	22829	5.024	ug/L	99
59) Bromoform	9.667	173	18407	5.034	ug/L	97
60) Isopropylbenzene	9.866	105	105145	4.503	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	22268	5.108	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	69196	4.141	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	74288	4.091	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	60579	4.979	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	67488	5.175	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	58033	4.996	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	4937	5.048	ug/L	85
69) 1,3,5-Trichlorobenzene	12.580	180	45302	4.945	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	34261	4.689	ug/L	98
71) Naphthalene	13.438	128	52173	4.005	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	32445	4.723	ug/L	95

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

