

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036993.D
 Acq On : 21 Aug 2024 16:26
 Operator : SY/MD
 Sample : VSTD00557
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005257

Quant Time: Aug 22 01:04:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 00:59:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	659665	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	607980	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	283460	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	59895	5.585	ug/L	0.00
7) Chloroethane-d5	1.532	69	48979	5.591	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	27106	5.730	ug/L	0.00
21) 2-Butanone-d5	3.850	46	17985m	11.156	ug/L	0.00
24) Chloroform-d	4.239	84	105229	5.373	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	45237	5.062	ug/L	0.00
32) Benzene-d6	4.953	84	205392	5.352	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	56934	5.005	ug/L	0.00
41) Toluene-d8	7.239	98	188801	5.422	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	19356	4.803	ug/L	0.00
47) 2-Hexanone-d5	8.056	63	8574m	8.791	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.149	84	30304	4.786	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	55910	5.301	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	60786	6.076	ug/L	98
3) Chloromethane	1.217	50	66908	5.529	ug/L	98
5) Vinyl chloride	1.281	62	64661	5.539	ug/L	100
6) Bromomethane	1.487	94	38919	5.144	ug/L	100
8) Chloroethane	1.548	64	39030	5.254	ug/L	98
9) Trichlorofluoromethane	1.712	101	83447	5.595	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	50630	5.502	ug/L	97
12) 1,1-Dichloroethene	2.069	96	48475	5.487	ug/L	89
13) Acetone	2.140	43	30906m	10.734	ug/L	
14) Carbon disulfide	2.236	76	157587	5.299	ug/L	99
15) Methyl Acetate	2.381	43	14318	4.418	ug/L	91
16) Methylene chloride	2.442	84	101633	7.018	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	50751	5.129	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	93506	4.600	ug/L	99
19) 1,1-Dichloroethane	3.104	63	98089	5.205	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	53316	4.992	ug/L	97
22) 2-Butanone	3.928	43	20018m	9.439	ug/L	
23) Bromochloromethane	4.143	128	20241	4.809	ug/L	96
25) Chloroform	4.268	83	95268	5.050	ug/L	99
27) 1,2-Dichloroethane	5.040	62	50690	4.918	ug/L	97
29) Cyclohexane	4.564	56	79416	5.226	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	79246	5.268	ug/L	100
31) Carbon tetrachloride	4.722	117	66984	5.366	ug/L	98
33) Benzene	5.002	78	196996	5.041	ug/L	100
34) Trichloroethene	5.828	95	55947	5.041	ug/L	97
35) Methylcyclohexane	6.040	83	89817	5.460	ug/L	98
37) 1,2-Dichloropropane	6.092	63	47500	4.918	ug/L	# 98
38) Bromodichloromethane	6.429	83	56731	4.703	ug/L	95
39) cis-1,3-Dichloropropene	6.953	75	63680	4.405	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	34837	8.728	ug/L	98
42) Toluene	7.310	91	204518	4.946	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	46550	4.247	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	28612	4.575	ug/L	96
46) Tetrachloroethene	7.899	164	41916	5.409	ug/L	99
48) 2-Hexanone	8.095	43	28170m	9.364	ug/L	
49) Dibromochloromethane	8.175	129	29838	4.292	ug/L	98
50) 1,2-Dibromoethane	8.284	107	25634	4.437	ug/L	99
51) Chlorobenzene	8.808	112	131363	4.975	ug/L	99
52) Ethylbenzene	8.940	91	233668	5.002	ug/L	99
53) m,p-Xylene	9.069	106	87567	5.069	ug/L	98
54) o-Xylene	9.474	106	80584	4.843	ug/L	99
55) Styrene	9.493	104	128941	4.642	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	24885	4.169	ug/L	96
59) Bromoform	9.664	173	13733	4.137	ug/L #	97
60) Isopropylbenzene	9.863	105	225439	5.173	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	21902	4.818	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	181359	5.021	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	178853	4.997	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	98094	5.053	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	99158	5.136	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	82851	4.958	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.361	75	3757	4.058	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	67388	4.994	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	53926	4.999	ug/L	99
71) Naphthalene	13.438	128	75516	4.459	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	42678	4.713	ug/L	99

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

