

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050624\
 Data File : VV035530.D
 Acq On : 06 May 2024 11:43
 Operator : SY/MD
 Sample : VSTD2.554
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5254

Quant Time: May 07 02:36:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 02:35:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	397867	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	423803	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	232606	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	20352	3.310	ug/L	0.00
7) Chloroethane-d5	1.529	69	16561	3.338	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.057	63	33417	2.811	ug/L	0.00
21) 2-Butanone-d5	3.831	46	449	0.258	ug/L	0.00
24) Chloroform-d	4.246	84	38839	3.284	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	19711	3.371	ug/L	0.01
32) Benzene-d6	4.960	84	68928	2.971	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	24840	3.470	ug/L	0.00
41) Toluene-d8	7.246	98	59701	2.892	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	9179	2.998	ug/L	0.01
47) 2-Hexanone-d5	8.053	63	5238	4.069	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.153	84	21691	3.144	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	25150	3.116	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	7326	0.906	ug/L	97
3) Chloromethane	1.214	50	6624	0.816	ug/L	98
5) Vinyl chloride	1.282	62	5987	0.714	ug/L	93
8) Chloroethane	1.548	64	5266	1.018	ug/L	98
9) Trichlorofluoromethane	1.709	101	14217	1.298	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11314	1.637	ug/L	99
12) 1,1-Dichloroethene	2.066	96	7687	1.232	ug/L #	55
15) Methyl Acetate	2.388	43	7302	1.891	ug/L	96
16) Methylene chloride	2.442	84	23613	2.574	ug/L	95
17) trans-1,2-Dichloroethene	2.693	96	7873	1.136	ug/L	89
18) Methyl tert-butyl Ether	2.703	73	35694	2.136	ug/L	97
19) 1,1-Dichloroethane	3.108	63	24026	1.850	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	11941	1.590	ug/L	88
23) Bromochloromethane	4.153	128	6532	1.798	ug/L	93
25) Chloroform	4.275	83	29672	2.212	ug/L	95
27) 1,2-Dichloroethane	5.050	62	16186	1.938	ug/L	96
29) Cyclohexane	4.577	56	5972	0.589	ug/L #	85
30) 1,1,1-Trichloroethane	4.510	97	21114	1.797	ug/L	98
31) Carbon tetrachloride	4.732	117	17134	1.662	ug/L	100
33) Benzene	5.011	78	40598	1.447	ug/L	100
34) Trichloroethene	5.838	95	12703	1.601	ug/L	99
35) Methylcyclohexane	6.047	83	9052	0.751	ug/L	99
37) 1,2-Dichloropropane	6.095	63	14343	1.960	ug/L	99
38) Bromodichloromethane	6.436	83	22006	2.220	ug/L	94
39) cis-1,3-Dichloropropene	6.963	75	18413	1.609	ug/L	94
40) 4-Methyl-2-pentanone	7.169	43	16799	3.938	ug/L #	86
42) Toluene	7.320	91	44374	1.495	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	17800	1.778	ug/L	95
45) 1,1,2-Trichloroethane	7.773	97	15274	2.456	ug/L	96
46) Tetrachloroethene	7.905	164	9347	1.450	ug/L	97
48) 2-Hexanone	8.095	43	9430	2.939	ug/L #	94
49) Dibromochloromethane	8.178	129	16453	2.345	ug/L	95

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

50) 1,2-Dibromoethane	8.288	107	12325	2.012	ug/L	97
51) Chlorobenzene	8.815	112	42368	2.057	ug/L	97
52) Ethylbenzene	8.947	91	55515	1.694	ug/L	99
53) m,p-Xylene	9.076	106	19706	1.585	ug/L	98
54) o-Xylene	9.477	106	19565	1.660	ug/L	99
55) Styrene	9.500	104	34200	1.664	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	19443	2.567	ug/L	99
59) Bromoform	9.667	173	11602	2.538	ug/L	99
60) Isopropylbenzene	9.866	105	54973	1.774	ug/L	98
61) 1,2,3-Trichloropropane	10.211	75	14756	2.707	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	43312	1.782	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	44158	1.768	ug/L	96
64) 1,3-Dichlorobenzene	11.117	146	37846	2.327	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	43652	2.593	ug/L	96
67) 1,2-Dichlorobenzene	11.580	146	37227	2.432	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.368	75	3386	2.679	ug/L	88
69) 1,3,5-Trichlorobenzene	12.580	180	30306	2.385	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	24136	2.275	ug/L	99
71) Naphthalene	13.442	128	37412	2.008	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	22503	2.358	ug/L	99

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

