

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082124\
 Data File : VV036987.D
 Acq On : 21 Aug 2024 10:52
 Operator : SY/MD
 Sample : VSTD00552
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005252

Quant Time: Aug 22 01:01:56 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	5.532	114	693588	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	642913	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	306194	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58738	5.210	ug/L	0.00
7) Chloroethane-d5	1.535	69	47972	5.208	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	26446	5.317	ug/L	0.00
21) 2-Butanone-d5	3.870	46	20175m	11.902	ug/L	0.03
24) Chloroform-d	4.246	84	106419	5.168	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	47425	5.047	ug/L	0.00
32) Benzene-d6	4.957	84	213515	5.261	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	62232	5.174	ug/L	0.00
41) Toluene-d8	7.239	98	188379	5.116	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	22154	5.198	ug/L	0.00
47) 2-Hexanone-d5	8.053	63	10300m	9.986	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.149	84	33888	5.062	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.558	152	60325	5.295	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	57050	5.423	ug/L	100
3) Chloromethane	1.220	50	66011	5.188	ug/L	100
5) Vinyl chloride	1.285	62	62724	5.110	ug/L	98
6) Bromomethane	1.490	94	38816	4.879	ug/L	99
8) Chloroethane	1.552	64	40102	5.134	ug/L	98
9) Trichlorofluoromethane	1.716	101	80446	5.130	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	48371	4.999	ug/L	98
12) 1,1-Dichloroethene	2.069	96	46929	5.052	ug/L	90
13) Acetone	2.146	43	46481m	15.354	ug/L	
14) Carbon disulfide	2.240	76	156422	5.003	ug/L	99
15) Methyl Acetate	2.384	43	17642m	5.178	ug/L	
16) Methylene chloride	2.445	84	87627	5.755	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	52159	5.013	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	102327	4.788	ug/L	98
19) 1,1-Dichloroethane	3.108	63	99158	5.005	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	53566	4.770	ug/L	97
22) 2-Butanone	3.941	43	23020m	10.324	ug/L	
23) Bromochloromethane	4.146	128	22063	4.986	ug/L	95
25) Chloroform	4.275	83	97534	4.918	ug/L	97
27) 1,2-Dichloroethane	5.047	62	51933	4.792	ug/L	98
29) Cyclohexane	4.574	56	79375	4.939	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	77988	4.902	ug/L	99
31) Carbon tetrachloride	4.728	117	63150	4.784	ug/L	97
33) Benzene	5.008	78	199820	4.835	ug/L	100
34) Trichloroethene	5.834	95	58418	4.978	ug/L	97
35) Methylcyclohexane	6.043	83	84630	4.865	ug/L	97
37) 1,2-Dichloropropane	6.095	63	47540	4.654	ug/L	# 98
38) Bromodichloromethane	6.432	83	62343	4.888	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	71762	4.694	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	39056	9.253	ug/L	97
42) Toluene	7.313	91	212406	4.857	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	52390	4.520	ug/L	98

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

45) 1,1,2-Trichloroethane	7.770	97	31219	4.721	ug/L	95
46) Tetrachloroethene	7.902	164	41286	5.038	ug/L	98
48) 2-Hexanone	8.095	43	31218m	9.813	ug/L	
49) Dibromochloromethane	8.175	129	34137	4.644	ug/L	98
50) 1,2-Dibromoethane	8.284	107	29854	4.886	ug/L #	89
51) Chlorobenzene	8.812	112	136380	4.885	ug/L	99
52) Ethylbenzene	8.944	91	236450	4.787	ug/L	99
53) m,p-Xylene	9.069	106	86018	4.708	ug/L	95
54) o-Xylene	9.474	106	82905	4.712	ug/L	99
55) Styrene	9.493	104	134432	4.577	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	29204	4.627	ug/L	95
59) Bromoform	9.664	173	16369	4.565	ug/L	98
60) Isopropylbenzene	9.863	105	223796	4.754	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	23904	4.868	ug/L	97
62) 1,3,5-Trimethylbenzene	10.471	105	184535	4.729	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	178888	4.627	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	101363	4.833	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	101217	4.854	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	88791	4.919	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	4437	4.437	ug/L	93
69) 1,3,5-Trichlorobenzene	12.577	180	69737	4.785	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	54481	4.675	ug/L	99
71) Naphthalene	13.438	128	81347	4.447	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	47188	4.824	ug/L	98

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

