

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037196.D
 Acq On : 04 Sep 2024 12:51
 Operator : SY/MD
 Sample : VSTD05076
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050276

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2024
 Supervised By :Mahesh Dadoda 09/05/2024

Quant Time: Sep 05 01:32:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 01:30:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	539999	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	524031	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	268537	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	408124	42.194	ug/L	0.00
7) Chloroethane-d5	1.532	69	330755	44.051	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.057	65	190036	43.677	ug/L	0.00
21) 2-Butanone-d5	3.822	46	202558	104.521	ug/L	0.00
24) Chloroform-d	4.243	84	800347	48.167	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	409127	48.543	ug/L	0.00
32) Benzene-d6	4.953	84	1586771	47.920	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	483970	47.179	ug/L	0.00
41) Toluene-d8	7.236	98	1477748	49.348	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	198332	50.226	ug/L	0.00
47) 2-Hexanone-d5	8.027	63	140591	109.568	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.146	84	386170	48.974	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.555	152	498186	47.527	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	404680	54.440	ug/L	98
3) Chloromethane	1.217	50	464317	52.266	ug/L	100
5) Vinyl chloride	1.282	62	470826	53.885	ug/L	99
6) Bromomethane	1.487	94	266338	52.694	ug/L	98
8) Chloroethane	1.548	64	289814	53.923	ug/L	99
9) Trichlorofluoromethane	1.712	101	639144	53.592	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	400144	53.706	ug/L	99
12) 1,1-Dichloroethene	2.066	96	369982	54.513	ug/L	98
13) Acetone	2.150	43	230181m	89.562	ug/L	
14) Carbon disulfide	2.237	76	1216823	54.620	ug/L	99
15) Methyl Acetate	2.381	43	191316	51.739	ug/L	99
16) Methylene chloride	2.442	84	420594	42.498	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	394601	53.292	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	942726	54.390	ug/L	99
19) 1,1-Dichloroethane	3.105	63	770959	54.382	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	432868	55.380	ug/L	99
22) 2-Butanone	3.902	43	224700	105.186	ug/L	89
23) Bromochloromethane	4.140	128	192553	55.275	ug/L	99
25) Chloroform	4.269	83	753977	54.784	ug/L	99
27) 1,2-Dichloroethane	5.037	62	490558	56.233	ug/L	100
29) Cyclohexane	4.571	56	661704	55.965	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	630815	54.202	ug/L	100
31) Carbon tetrachloride	4.725	117	543692	55.258	ug/L	100
33) Benzene	5.002	78	1648113	56.055	ug/L	100
34) Trichloroethene	5.825	95	434656	54.316	ug/L	98
35) Methylcyclohexane	6.043	83	736982	56.521	ug/L	98
37) 1,2-Dichloropropane	6.088	63	419152	54.980	ug/L	99
38) Bromodichloromethane	6.426	83	533592	55.440	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	664759	58.902	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	465059	109.375	ug/L	97
42) Toluene	7.307	91	1753657	56.678	ug/L	98
44) trans-1,3-Dichloropropene	7.574	75	538595	58.730	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.764	97	314843	54.799	ug/L	100
46) Tetrachloroethene	7.899	164	315877	53.700	ug/L	99
48) 2-Hexanone	8.076	43	351305	110.385	ug/L	98
49) Dibromochloromethane	8.172	129	343709	57.492	ug/L	97
50) 1,2-Dibromoethane	8.278	107	305024	55.565	ug/L	97
51) Chlorobenzene	8.809	112	1110081	54.825	ug/L	100
52) Ethylbenzene	8.940	91	1989241	57.412	ug/L	100
53) m,p-Xylene	9.066	106	739925	57.560	ug/L	96
54) o-Xylene	9.471	106	719403	58.093	ug/L	99
55) Styrene	9.490	104	1244088	59.793	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	375453	54.836	ug/L	99
59) Bromoform	9.661	173	189194	55.489	ug/L	100
60) Isopropylbenzene	9.860	105	1980469	56.791	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	261715	52.889	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	1605276	57.963	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1599328	58.226	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	866356	54.488	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	868006	53.545	ug/L	98
67) 1,2-Dichlorobenzene	11.571	146	797603	54.083	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	58760	52.617	ug/L	98
69) 1,3,5-Trichlorobenzene	12.574	180	615175	54.530	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	544380	54.661	ug/L	100
71) Naphthalene	13.432	128	1072405	55.196	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	493159	53.922	ug/L	98

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

