

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053024\
 Data File : VV035880.D
 Acq On : 30 May 2024 09:07
 Operator : SY/MD
 Sample : VSTD2.562
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.5262

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/03/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

Quant Time: May 31 00:06:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:05:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	405867	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	404721	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	199041	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	22655	3.414	ug/L	0.00
7) Chloroethane-d5	1.529	69	19230	3.624	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	10669	3.657	ug/L	0.00
21) 2-Butanone-d5	3.912	46	10124m	5.730	ug/L	0.06
24) Chloroform-d	4.249	84	41151	3.344	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	21590	3.500	ug/L	0.01
32) Benzene-d6	4.960	84	71754	3.128	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	23353	3.307	ug/L	0.00
41) Toluene-d8	7.246	98	57661	2.818	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	9004	3.000	ug/L	0.01
47) 2-Hexanone-d5	8.056	63	4787m	3.962	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.153	84	19509	3.060	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	23537	3.337	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	22734	2.815	ug/L	99
3) Chloromethane	1.211	50	25803	3.065	ug/L	100
5) Vinyl chloride	1.278	62	26979	3.119	ug/L	100
6) Bromomethane	1.484	94	17035	3.116	ug/L	97
8) Chloroethane	1.545	64	16879	3.175	ug/L	97
9) Trichlorofluoromethane	1.709	101	34253	3.097	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	21432	3.076	ug/L	99
12) 1,1-Dichloroethene	2.066	96	19830	3.108	ug/L	98
13) Acetone	2.159	43	17263m	6.476	ug/L	
14) Carbon disulfide	2.233	76	67793	3.206	ug/L	99
15) Methyl Acetate	2.391	43	10373m	2.749	ug/L	
16) Methylene chloride	2.442	84	34040	3.644	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	19693	2.791	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	39984	2.396	ug/L	98
19) 1,1-Dichloroethane	3.108	63	38971	2.967	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	18871	2.517	ug/L	94
22) 2-Butanone	3.979	43	10646m	4.376	ug/L	
23) Bromochloromethane	4.156	128	10030	2.749	ug/L	99
25) Chloroform	4.275	83	39936	2.953	ug/L	99
27) 1,2-Dichloroethane	5.050	62	22791	2.686	ug/L	96
29) Cyclohexane	4.577	56	23855	2.434	ug/L	98
30) 1,1,1-Trichloroethane	4.510	97	33994	3.061	ug/L	99
31) Carbon tetrachloride	4.732	117	29952	3.079	ug/L	99
33) Benzene	5.011	78	71532	2.674	ug/L	100
34) Trichloroethene	5.834	95	22427	2.917	ug/L	97
35) Methylcyclohexane	6.043	83	27212	2.348	ug/L	94
37) 1,2-Dichloropropane	6.095	63	18248	2.630	ug/L #	96
38) Bromodichloromethane	6.436	83	26764	2.869	ug/L #	96
39) cis-1,3-Dichloropropene	6.960	75	24930	2.307	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	17928m	4.342	ug/L	
42) Toluene	7.317	91	65225	2.313	ug/L	94
44) trans-1,3-Dichloropropene	7.590	75	21387	2.259	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	16657	2.837	ug/L	98
46) Tetrachloroethene	7.905	164	17208	2.818	ug/L	93
48) 2-Hexanone	8.104	43	12655m	4.007	ug/L	
49) Dibromochloromethane	8.178	129	17745	2.702	ug/L	98
50) 1,2-Dibromoethane	8.288	107	15190	2.630	ug/L	100
51) Chlorobenzene	8.815	112	50965	2.628	ug/L	96
52) Ethylbenzene	8.947	91	66702	2.157	ug/L	99
53) m,p-Xylene	9.072	106	24858	2.125	ug/L	98
54) o-Xylene	9.477	106	22947	2.075	ug/L	95
55) Styrene	9.500	104	37592m	1.945	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	16399	2.447	ug/L	99
59) Bromoform	9.667	173	10936	2.853	ug/L #	96
60) Isopropylbenzene	9.866	105	61249	2.340	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	14524	3.144	ug/L	95
62) 1,3,5-Trimethylbenzene	10.474	105	42136	2.103	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	43543	2.073	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	37564	2.736	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	38335	2.681	ug/L	96
67) 1,2-Dichlorobenzene	11.580	146	35607	2.751	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	3124	2.914	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	27742	2.611	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	20139	2.284	ug/L	99
71) Naphthalene	13.442	128	28675	1.867	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	18453	2.299	ug/L	98

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

