

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037003.D
 Acq On : 22 Aug 2024 11:38
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00mL/10mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV264

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
 Supervised By :Semsettin Yesilyurt 08/23/2024

Quant Time: Aug 23 05:13:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	696657	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	638241	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	302147	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	206859	21.191	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.760%		
7) Chloroethane-d5	1.535	69	191919	22.984	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.920%		
11) 1,1-Dichloroethene-d2	2.060	65	104742	22.274	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	89.080%		
21) 2-Butanone-d5	3.834	46	83542m	46.148	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.300%		
24) Chloroform-d	4.246	84	489810	24.949	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.800%		
26) 1,2-Dichloroethane-d4	4.940	65	213160	23.604	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.400%		
32) Benzene-d6	4.953	84	963979	25.205	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	100.800%		
36) 1,2-Dichloropropane-d6	5.985	67	286556	24.748	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	99.000%		
41) Toluene-d8	7.236	98	894211	25.652	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	102.600%		
43) trans-1,3-Dichloroprop...	7.551	79	98629	24.415	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.640%		
47) 2-Hexanone-d5	8.034	63	49484	48.315	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	96.640%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	149079	23.255	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	93.040%		
66) 1,2-Dichlorobenzene-d4	11.554	152	273928	25.327	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	101.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	258002	23.712	ug/L	99
3) Chloromethane	1.220	50	305795	24.274	ug/L	100
5) Vinyl chloride	1.285	62	311509	24.968	ug/L	99
6) Bromomethane	1.490	94	194761	24.545	ug/L	99
8) Chloroethane	1.552	64	194522	24.685	ug/L	98
9) Trichlorofluoromethane	1.716	101	418541	25.408	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	256242	25.239	ug/L	99
12) 1,1-Dichloroethene	2.069	96	241295	25.520	ug/L	97
13) Acetone	2.150	43	126476m	59.533	ug/L	
14) Carbon disulfide	2.240	76	783867	25.036	ug/L	100
15) Methyl Acetate	2.384	43	80503	23.251	ug/L	98
16) Methylene chloride	2.445	84	276060	19.921	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	262479	25.361	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	497809	23.217	ug/L	99
19) 1,1-Dichloroethane	3.108	63	507706	25.200	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	279369	25.165	ug/L	99
22) 2-Butanone	3.912	43	105348	48.183	ug/L	94
23) Bromochloromethane	4.143	128	105812	24.018	ug/L	98
25) Chloroform	4.272	83	497665	25.271	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	258128	23.969	ug/L	100
29) Cyclohexane	4.574	56	436171	26.344	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	419492	26.066	ug/L	99
31) Carbon tetrachloride	4.728	117	359891	26.496	ug/L	100
33) Benzene	5.005	78	1078272	25.916	ug/L	100
34) Trichloroethene	5.828	95	301819	25.697	ug/L	97
35) Methylcyclohexane	6.043	83	474922	26.151	ug/L	99
37) 1,2-Dichloropropane	6.088	63	260814	25.949	ug/L	100
38) Bromodichloromethane	6.429	83	318020	25.473	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	368637	25.118	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	200712	47.302	ug/L	99
42) Toluene	7.310	91	1131594	25.960	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	284154	25.445	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	159450	24.173	ug/L	99
46) Tetrachloroethene	7.899	164	213351	25.691	ug/L	97
48) 2-Hexanone	8.079	43	158698	49.920	ug/L	96
49) Dibromochloromethane	8.172	129	179191	24.693	ug/L	100
50) 1,2-Dibromoethane	8.278	107	146186	24.558	ug/L	98
51) Chlorobenzene	8.808	112	710831	25.536	ug/L	99
52) Ethylbenzene	8.940	91	1301015	26.470	ug/L	100
53) m,p-Xylene	9.066	106	483392	26.471	ug/L	99
54) o-Xylene	9.471	106	453470	25.996	ug/L	98
55) Styrene	9.490	104	761421	26.447	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.172	83	142824	23.389	ug/L	98
59) Bromoform	9.661	173	82870	24.217	ug/L	100
60) Isopropylbenzene	9.860	105	1286970	27.014	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	118080	24.234	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	1049153	26.898	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	1038052	27.305	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	529579	26.010	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	525980	25.864	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	454481	25.764	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22777	23.921	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	379523	26.748	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	297610	26.210	ug/L	100
71) Naphthalene	13.432	128	437642	25.586	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	243907	25.944	ug/L	99

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

