

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090424\
 Data File : VV037199.D
 Acq On : 04 Sep 2024 15:32
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV279

Manual Integrations
 APPROVED

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

Quant Time: Sep 05 02:25:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 02:17:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	555742	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	550222	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	273882	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	193966	19.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.920%
7) Chloroethane-d5	1.532	69	165422	21.407	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.640%
11) 1,1-Dichloroethene-d2	2.056	65	90133	20.129	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.520%
21) 2-Butanone-d5	3.822	46	108829m	50.551	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.100%
24) Chloroform-d	4.243	84	412459	24.120	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.480%
26) 1,2-Dichloroethane-d4	4.937	65	216931	25.010	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.040%
32) Benzene-d6	4.953	84	807610	23.229	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.920%
36) 1,2-Dichloropropane-d6	5.982	67	252564	23.449	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.800%
41) Toluene-d8	7.236	98	734669	23.366	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.480%
43) trans-1,3-Dichloroprop...	7.548	79	98983	23.874	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.480%
47) 2-Hexanone-d5	8.030	63	72867	49.626	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.260%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	208544	25.189	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.760%
66) 1,2-Dichlorobenzene-d4	11.554	152	256460	23.989	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	192329	25.140	ug/L	99
3) Chloromethane	1.217	50	231722	25.345	ug/L	99
5) Vinyl chloride	1.282	62	226215	25.156	ug/L	100
6) Bromomethane	1.487	94	135709	26.089	ug/L	98
8) Chloroethane	1.548	64	147218	26.615	ug/L	99
9) Trichlorofluoromethane	1.712	101	305326	24.876	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	190595	24.857	ug/L	99
12) 1,1-Dichloroethene	2.066	96	177494	25.411	ug/L	99
13) Acetone	2.143	43	113683m	42.198	ug/L	
14) Carbon disulfide	2.236	76	592367	25.836	ug/L	99
15) Methyl Acetate	2.381	43	104145	27.352	ug/L	99
16) Methylene chloride	2.442	84	229514	22.534	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	201602	26.456	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	504512	28.283	ug/L	100
19) 1,1-Dichloroethane	3.105	63	395141	27.083	ug/L	97
20) cis-1,2-Dichloroethene	3.809	96	221376	27.520	ug/L	99
22) 2-Butanone	3.908	43	118762	47.098	ug/L	93
23) Bromochloromethane	4.143	128	100192	27.947	ug/L	96
25) Chloroform	4.269	83	389314	27.486	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	253853	28.298	ug/L	99
29) Cyclohexane	4.571	56	307729	24.788	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	311416	25.484	ug/L	99
31) Carbon tetrachloride	4.725	117	262870	25.445	ug/L	99
33) Benzene	5.002	78	834342	27.026	ug/L	100
34) Trichloroethene	5.828	95	215690	25.670	ug/L	97
35) Methylcyclohexane	6.043	83	344373	25.154	ug/L	99
37) 1,2-Dichloropropane	6.088	63	209606	25.946	ug/L	100
38) Bromodichloromethane	6.429	83	275108	27.424	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	327684	26.746	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	254137	56.751	ug/L	98
42) Toluene	7.310	91	872543	26.858	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	269614	27.189	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	167291	27.731	ug/L	99
46) Tetrachloroethene	7.899	164	155567	25.188	ug/L	99
48) 2-Hexanone	8.079	43	177782	47.639	ug/L	99
49) Dibromochloromethane	8.172	129	174887	27.861	ug/L	99
50) 1,2-Dibromoethane	8.278	107	158585	27.514	ug/L	98
51) Chlorobenzene	8.809	112	571307	26.873	ug/L	99
52) Ethylbenzene	8.940	91	973536	26.760	ug/L	99
53) m,p-Xylene	9.066	106	365422	27.074	ug/L	98
54) o-Xylene	9.471	106	351500	27.033	ug/L	98
55) Styrene	9.490	104	624588	28.327	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	196627	27.351	ug/L	98
59) Bromoform	9.661	173	95372	27.426	ug/L	99
60) Isopropylbenzene	9.860	105	942220	26.491	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	139640	27.669	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	776243	27.481	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	775075	27.667	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	434425	26.789	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	442942	26.791	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	404518	26.894	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.358	75	30799	27.039	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	297223	25.832	ug/L	97
70) 1,2,4-trichlorobenzene	13.191	180	265663	26.154	ug/L	100
71) Naphthalene	13.432	128	550594	27.786	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	246723	26.450	ug/L	98

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

