

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070524\
 Data File : VV036454.D
 Acq On : 05 Jul 2024 08:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025317

Quant Time: Jul 06 01:28:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 04 02:05:51 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2024
 Supervised By :Semsettin Yesilyurt 07/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	298256	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	311101	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	181227	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	100573	19.855	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.440%
7) Chloroethane-d5	1.529	69	88772	21.942	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.760%
11) 1,1-Dichloroethene-d2	2.053	65	49561	20.813	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.240%
21) 2-Butanone-d5	3.834	46	56969m	48.459	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.920%
24) Chloroform-d	4.243	84	220151	25.006	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.040%
26) 1,2-Dichloroethane-d4	4.937	65	113192	24.109	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.440%
32) Benzene-d6	4.953	84	379095	21.586	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.360%
36) 1,2-Dichloropropane-d6	5.985	67	118668	22.465	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.840%
41) Toluene-d8	7.239	98	348858	22.032	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.120%
43) trans-1,3-Dichloroprop...	7.551	79	51090	21.658	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.640%
47) 2-Hexanone-d5	8.030	63	35908	42.585	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.180%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	108846	25.137	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.560%
66) 1,2-Dichlorobenzene-d4	11.558	152	145033	21.961	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	162794	28.728	ug/L	99
3) Chloromethane	1.211	50	132922	25.913	ug/L	100
5) Vinyl chloride	1.278	62	159676	26.957	ug/L	100
6) Bromomethane	1.484	94	114700	28.792	ug/L	99
8) Chloroethane	1.545	64	101719	27.863	ug/L	100
9) Trichlorofluoromethane	1.709	101	250282	29.586	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	161651	30.464	ug/L	97
12) 1,1-Dichloroethene	2.063	96	141244	30.065	ug/L	82
13) Acetone	2.146	43	88666m	55.826	ug/L	
14) Carbon disulfide	2.233	76	387997	26.177	ug/L	100
15) Methyl Acetate	2.384	43	50244	24.583	ug/L	94
16) Methylene chloride	2.442	84	148955	25.368	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	130700	28.020	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	282909	26.055	ug/L	100
19) 1,1-Dichloroethane	3.104	63	232678	28.055	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	128666	27.426	ug/L	95
22) 2-Butanone	3.912	43	71450m	53.352	ug/L	
23) Bromochloromethane	4.140	128	72202	29.515	ug/L	93
25) Chloroform	4.268	83	257960	29.162	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	161053	28.118	ug/L	98
29) Cyclohexane	4.577	56	162713	24.550	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	226914	29.417	ug/L	99
31) Carbon tetrachloride	4.728	117	202497	29.463	ug/L	99
33) Benzene	5.002	78	515556	27.979	ug/L	100
34) Trichloroethene	5.828	95	155640	26.767	ug/L	95
35) Methylcyclohexane	6.047	83	214697	26.495	ug/L	99
37) 1,2-Dichloropropane	6.088	63	134017	28.478	ug/L	99
38) Bromodichloromethane	6.429	83	182860	28.410	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	191112	26.410	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	130983	49.353	ug/L	97
42) Toluene	7.310	91	564167	29.282	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	177444	27.263	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	117027	28.135	ug/L	98
46) Tetrachloroethene	7.902	164	124566	29.477	ug/L	96
48) 2-Hexanone	8.079	43	105436	50.506	ug/L	98
49) Dibromochloromethane	8.172	129	136252	29.384	ug/L	99
50) 1,2-Dibromoethane	8.278	107	114426	27.924	ug/L	98
51) Chlorobenzene	8.808	112	365509	27.753	ug/L	97
52) Ethylbenzene	8.943	91	585763	28.172	ug/L	99
53) m,p-Xylene	9.069	106	234546	30.267	ug/L	96
54) o-Xylene	9.474	106	214133	29.385	ug/L	97
55) Styrene	9.493	104	401979	31.475	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	103610	27.831	ug/L	98
59) Bromoform	9.661	173	91466	26.662	ug/L	99
60) Isopropylbenzene	9.863	105	588021	26.842	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	98954	24.195	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	415003	26.471	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	463246	27.191	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	311684	27.304	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	325473	26.599	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	289277	26.545	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	22475	24.495	ug/L	93
69) 1,3,5-Trichlorobenzene	12.577	180	225475	26.232	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	173309	25.284	ug/L	99
71) Naphthalene	13.435	128	274754	22.481	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	171635	26.628	ug/L	99

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

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