

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
 Data File : VD078338.D
 Acq On : 02 Feb 2024 20:40
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025237

Quant Time: Feb 03 00:24:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/06/2024
 Supervised By :Mahesh Dadoda 02/06/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	173189	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	176215	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	83333	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	137410	27.965	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 111.840%	
7) Chloroethane-d5	2.793	69	116574	28.224	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 112.880%	
11) 1,1-Dichloroethene-d2	3.910	65	28049	26.438	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 105.760%	
21) 2-Butanone-d5	6.987	46	38720	53.521	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 107.040%	
24) Chloroform-d	7.569	84	139576	28.266	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 113.080%	
26) 1,2-Dichloroethane-d4	8.234	65	75202	28.220	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 112.880%	
32) Benzene-d6	8.198	84	283464	27.511	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 110.040%	
36) 1,2-Dichloropropane-d6	9.210	67	86231	27.184	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 108.720%	
41) Toluene-d8	10.269	98	254688	27.520	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 110.080%	
43) trans-1,3-Dichloroprop...	10.522	79	38368	27.089	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.360%	
47) 2-Hexanone-d5	10.875	63	35542	55.225	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 110.440%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	78892	26.765	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 107.040%	
66) 1,2-Dichlorobenzene-d4	13.816	152	80078	26.842	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 107.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	95774	28.047	ug/L	94
3) Chloromethane	2.146	50	157787	31.771	ug/L	99
5) Vinyl chloride	2.281	62	180214	29.349	ug/L	96
6) Bromomethane	2.687	94	73840	26.524	ug/L	96
8) Chloroethane	2.828	64	114454	29.276	ug/L	99
9) Trichlorofluoromethane	3.169	101	127954	29.313	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	78972m	29.073	ug/L	
12) 1,1-Dichloroethene	3.934	96	70507	28.047	ug/L	97
13) Acetone	4.022	43	42420	44.658	ug/L	99
14) Carbon disulfide	4.263	76	258227	27.869	ug/L	98
15) Methyl Acetate	4.569	43	38392m	26.975	ug/L	
16) Methylene chloride	4.799	84	87856	25.867	ug/L	98
17) trans-1,2-Dichloroethene	5.310	96	77698	28.048	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	178253	27.667	ug/L	99
19) 1,1-Dichloroethane	6.110	63	141539	29.199	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	86291	28.423	ug/L	93
22) 2-Butanone	7.081	43	54102	47.041	ug/L	98
23) Bromochloromethane	7.428	128	39728	29.625	ug/L	93
25) Chloroform	7.593	83	149892	28.338	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	97237	28.624	ug/L	96
29) Cyclohexane	7.875	56	114097	28.643	ug/L	97
30) 1,1,1-Trichloroethane	7.787	97	118954	27.539	ug/L	97
31) Carbon tetrachloride	7.992	117	105082	27.615	ug/L	99
33) Benzene	8.251	78	335268	28.235	ug/L	100
34) Trichloroethene	9.028	95	80937	26.988	ug/L	98
35) Methylcyclohexane	9.269	83	136827	29.157	ug/L	98
37) 1,2-Dichloropropane	9.304	63	88343	28.235	ug/L	100
38) Bromodichloromethane	9.581	83	113244	27.740	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	131488	26.998	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	108298	55.731	ug/L	98
42) Toluene	10.334	91	357785	28.961	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	114864	26.956	ug/L	98
45) 1,1,2-Trichloroethane	10.728	97	71332	28.601	ug/L	93
46) Tetrachloroethene	10.810	164	58022	28.176	ug/L	96
48) 2-Hexanone	10.922	43	82012	51.741	ug/L	97
49) Dibromochloromethane	11.075	129	75405	26.902	ug/L	100
50) 1,2-Dibromoethane	11.181	107	66821	27.467	ug/L #	99
51) Chlorobenzene	11.604	112	221141	27.646	ug/L	97
52) Ethylbenzene	11.681	91	381130	28.719	ug/L	99
53) m,p-Xylene	11.792	106	142333	27.907	ug/L	96
54) o-Xylene	12.116	106	141495	28.769	ug/L	93
55) Styrene	12.133	104	259396	29.238	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	86967	27.215	ug/L #	96
59) Bromoform	12.298	173	46573	27.855	ug/L	97
60) Isopropylbenzene	12.422	105	359244	28.530	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	57766	27.176	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	283033	28.736	ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	286776	29.396	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	158305	28.173	ug/L	99
65) 1,4-Dichlorobenzene	13.533	146	165764	28.179	ug/L	98
67) 1,2-Dichlorobenzene	13.827	146	144304	27.150	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	12131	25.758	ug/L	89
69) 1,3,5-Trichlorobenzene	14.592	180	93945	27.137	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	79835	26.681	ug/L	97
71) Naphthalene	15.327	128	185447	26.473	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	75166	26.909	ug/L	98

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

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