

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052324\
 Data File : VD078993.D
 Acq On : 23 May 2024 09:33
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025250

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/27/2024
 Supervised By : Mahesh Dadoda 05/27/2024

Quant Time: May 24 02:07:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 21 01:03:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	173671	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	175840	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	93682	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	114034	26.785	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 107.120%			
7) Chloroethane-d5	2.799	69	113280	24.856	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.440%			
11) 1,1-Dichloroethene-d2	3.917	65	22341	26.902	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 107.600%			
21) 2-Butanone-d5	6.981	46	20144	33.428	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 66.860%			
24) Chloroform-d	7.569	84	113003	21.857	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.440%			
26) 1,2-Dichloroethane-d4	8.228	65	53397	21.748	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.000%			
32) Benzene-d6	8.199	84	227687	25.377	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 101.520%			
36) 1,2-Dichloropropane-d6	9.210	67	63346	23.171	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.680%			
41) Toluene-d8	10.269	98	216393	26.165	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.680%			
43) trans-1,3-Dichloroprop...	10.528	79	27634	21.944	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.760%			
47) 2-Hexanone-d5	10.875	63	19292	35.211	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 70.420%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	59429	19.110	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 76.440%			
66) 1,2-Dichlorobenzene-d4	13.816	152	72083	22.670	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 90.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	65166	18.754	ug/L	99
3) Chloromethane	2.152	50	82250	19.291	ug/L	94
5) Vinyl chloride	2.281	62	135956	19.489	ug/L	95
6) Bromomethane	2.693	94	88043	17.648	ug/L	94
8) Chloroethane	2.840	64	107296	19.915	ug/L	94
9) Trichlorofluoromethane	3.175	101	116118	21.343	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	74840m	21.700	ug/L	
12) 1,1-Dichloroethene	3.940	96	60867	20.269	ug/L	95
13) Acetone	4.022	43	27343	37.562	ug/L	93
14) Carbon disulfide	4.269	76	150696	17.318	ug/L	99
15) Methyl Acetate	4.558	43	23844	20.160	ug/L	96
16) Methylene chloride	4.799	84	76185	18.519	ug/L	97
17) trans-1,2-Dichloroethene	5.311	96	64710	21.164	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	143837	22.080	ug/L #	93
19) 1,1-Dichloroethane	6.111	63	114160	22.229	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	76302	21.878	ug/L	97
22) 2-Butanone	7.087	43	35332	42.216	ug/L	96
23) Bromochloromethane	7.428	128	36263	20.809	ug/L #	83
25) Chloroform	7.599	83	133341	21.601	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	78133	21.854	ug/L	96
29) Cyclohexane	7.875	56	76475	22.629	ug/L	94
30) 1,1,1-Trichloroethane	7.787	97	114463	23.528	ug/L	98
31) Carbon tetrachloride	7.993	117	104148	23.250	ug/L	99
33) Benzene	8.252	78	278758	23.127	ug/L	100
34) Trichloroethene	9.028	95	69611	22.417	ug/L	90
35) Methylcyclohexane	9.269	83	109904	23.542	ug/L	99
37) 1,2-Dichloropropane	9.304	63	71292	23.339	ug/L	100
38) Bromodichloromethane	9.581	83	99510	23.038	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	110997	23.164	ug/L	90
40) 4-Methyl-2-pentanone	10.157	43	72823	47.198	ug/L	97
42) Toluene	10.334	91	317482	23.958	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	99124	23.399	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	64486	23.087	ug/L	97
46) Tetrachloroethene	10.804	164	58950	22.065	ug/L	98
48) 2-Hexanone	10.922	43	53623	44.832	ug/L	99
49) Dibromochloromethane	11.075	129	74896	22.055	ug/L	99
50) 1,2-Dibromoethane	11.175	107	57466	21.780	ug/L	99
51) Chlorobenzene	11.604	112	213092	22.761	ug/L	98
52) Ethylbenzene	11.681	91	342073	23.918	ug/L	98
53) m,p-Xylene	11.793	106	135986	23.767	ug/L	99
54) o-Xylene	12.122	106	130231	23.369	ug/L	97
55) Styrene	12.134	104	244654	24.844	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	78572	23.193	ug/L	96
59) Bromoform	12.298	173	48104	22.688	ug/L	98
60) Isopropylbenzene	12.422	105	361224	26.081	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	50562	23.546	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	272915	26.658	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	269628	25.919	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	168606	25.066	ug/L	97
65) 1,4-Dichlorobenzene	13.534	146	176319	24.313	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	154949	24.339	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	10353	23.144	ug/L	86
69) 1,3,5-Trichlorobenzene	14.592	180	107491	24.605	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	88941	24.049	ug/L	97
71) Naphthalene	15.328	128	176953	23.451	ug/L	99
72) 1,2,3-Trichlorobenzene	15.516	180	83643	24.197	ug/L	98

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

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