

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077191.D
 Acq On : 22 Sep 2023 09:31
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025193

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/25/2023
 Supervised By :Semsettin Yesilyurt 09/25/2023

Quant Time: Sep 22 23:37:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 01:29:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	277058	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	275973	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	145985	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	157703	23.100	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.400%
7) Chloroethane-d5	2.799	69	119189	21.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.920%
11) 1,1-Dichloroethene-d2	3.916	65	34581	22.299	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.200%
21) 2-Butanone-d5	6.981	46	48050	55.870	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.740%
24) Chloroform-d	7.569	84	197891	26.103	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	8.228	65	94160	26.205	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.840%
32) Benzene-d6	8.198	84	382069	25.066	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.280%
36) 1,2-Dichloropropane-d6	9.210	67	113855	26.047	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.200%
41) Toluene-d8	10.269	98	349112	25.021	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.080%
43) trans-1,3-Dichloroprop...	10.522	79	46073	23.133	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.520%
47) 2-Hexanone-d5	10.875	63	38987	55.844	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.680%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	109791	28.174	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.680%
66) 1,2-Dichlorobenzene-d4	13.816	152	113808	24.288	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	85742	24.132	ug/L	97
3) Chloromethane	2.146	50	123976	20.562	ug/L	99
5) Vinyl chloride	2.281	62	164041	23.194	ug/L	97
6) Bromomethane	2.693	94	89306	18.076	ug/L	95
8) Chloroethane	2.840	64	99876	21.518	ug/L	95
9) Trichlorofluoromethane	3.169	101	164603	24.613	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	104704	25.595	ug/L	98
12) 1,1-Dichloroethene	3.940	96	85732	23.044	ug/L	95
13) Acetone	4.016	43	68772	55.742	ug/L	99
14) Carbon disulfide	4.269	76	243283	20.200	ug/L	97
15) Methyl Acetate	4.569	43	45055m	27.302	ug/L	
16) Methylene chloride	4.799	84	120019	21.285	ug/L	99
17) trans-1,2-Dichloroethene	5.304	96	97267	24.012	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	211796	24.210	ug/L #	87
19) 1,1-Dichloroethane	6.104	63	175806	25.740	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	112228	24.199	ug/L	95
22) 2-Butanone	7.081	43	75933	51.016	ug/L	98
23) Bromochloromethane	7.422	128	54123	24.454	ug/L	92
25) Chloroform	7.598	83	199313	26.134	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	114966	25.169	ug/L	98
29) Cyclohexane	7.875	56	122799	23.662	ug/L	95
30) 1,1,1-Trichloroethane	7.793	97	167146	25.909	ug/L	98
31) Carbon tetrachloride	7.993	117	140668	25.776	ug/L	97
33) Benzene	8.251	78	421274	25.412	ug/L	100
34) Trichloroethene	9.028	95	106341	24.191	ug/L	97
35) Methylcyclohexane	9.275	83	150799	22.245	ug/L	97
37) 1,2-Dichloropropane	9.304	63	107817	25.785	ug/L #	93
38) Bromodichloromethane	9.587	83	148696	25.776	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	163183	24.546	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	128817	56.053	ug/L	98
42) Toluene	10.334	91	460694	25.656	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	144369	25.401	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	95128	26.884	ug/L	91
46) Tetrachloroethene	10.810	164	85586	23.816	ug/L	96
48) 2-Hexanone	10.922	43	107192	60.484	ug/L	98
49) Dibromochloromethane	11.075	129	106170	25.690	ug/L	99
50) 1,2-Dibromoethane	11.181	107	89044	25.473	ug/L #	91
51) Chlorobenzene	11.604	112	291607	24.287	ug/L	94
52) Ethylbenzene	11.681	91	487177	25.070	ug/L	99
53) m,p-Xylene	11.792	106	192076	25.598	ug/L	95
54) o-Xylene	12.122	106	179295	24.754	ug/L	95
55) Styrene	12.134	104	335822	25.944	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	116269	27.938	ug/L	100
59) Bromoform	12.298	173	68100	25.865	ug/L	96
60) Isopropylbenzene	12.422	105	480997	25.564	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	74180	26.621	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	356924	24.526	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	357279	25.059	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	222970	24.874	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	232260	24.802	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	202174	24.522	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	15927	27.330	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	140950	23.860	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	117626	23.265	ug/L	97
71) Naphthalene	15.333	128	239834	23.729	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	108845	23.439	ug/L	100

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

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