

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042823\
 Data File : VD075891.D
 Acq On : 28 Apr 2023 16:50
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025138

Quant Time: Apr 29 02:59:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 29 02:40:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/29/2023
 Supervised By :Semsettin Yesilyurt 05/01/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	389817	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	358865	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	180223	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	211917	24.781	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.120%		
7) Chloroethane-d5	2.799	69	184240	24.935	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.760%		
11) 1,1-Dichloroethene-d2	3.917	65	48783	24.744	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	98.960%		
21) 2-Butanone-d5	6.987	46	43708	58.875	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	117.760%		
24) Chloroform-d	7.563	84	241571	24.782	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.120%		
26) 1,2-Dichloroethane-d4	8.228	65	104018	24.987	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.960%		
32) Benzene-d6	8.199	84	511788	24.468	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.880%		
36) 1,2-Dichloropropane-d6	9.210	67	142402	24.597	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.400%		
41) Toluene-d8	10.269	98	483315	24.682	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	98.720%		
43) trans-1,3-Dichloroprop...	10.528	79	58986	24.650	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	98.600%		
47) 2-Hexanone-d5	10.875	63	41994	60.242	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	120.480%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	120860	27.281	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	109.120%		
66) 1,2-Dichlorobenzene-d4	13.816	152	149772	23.495	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	93.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	162465	30.232	ug/L	100
3) Chloromethane	2.146	50	222286	29.672	ug/L	99
5) Vinyl chloride	2.281	62	274778	28.065	ug/L	99
6) Bromomethane	2.687	94	149630	22.744	ug/L	96
8) Chloroethane	2.834	64	171404	27.069	ug/L	95
9) Trichlorofluoromethane	3.175	101	223295	28.384	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	157797	29.857	ug/L	98
12) 1,1-Dichloroethene	3.940	96	141813	27.668	ug/L	82
13) Acetone	4.017	43	38193	60.117	ug/L	93
14) Carbon disulfide	4.270	76	477584	26.677	ug/L	99
15) Methyl Acetate	4.569	43	42989m	31.223	ug/L	
16) Methylene chloride	4.799	84	166203	21.017	ug/L	99
17) trans-1,2-Dichloroethene	5.311	96	151009	26.275	ug/L	97
18) Methyl tert-butyl Ether	5.317	73	249077	27.018	ug/L #	93
19) 1,1-Dichloroethane	6.111	63	233200	27.698	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	157502	25.918	ug/L	99
22) 2-Butanone	7.081	43	52556	63.455	ug/L	95
23) Bromochloromethane	7.428	128	77816	27.611	ug/L	91
25) Chloroform	7.593	83	250860	26.586	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	132612	27.227	ug/L	96
29) Cyclohexane	7.875	56	186594	30.373	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	207056	27.270	ug/L	99
31) Carbon tetrachloride	7.993	117	170803	28.039	ug/L	99
33) Benzene	8.252	78	585443	26.970	ug/L	100
34) Trichloroethene	9.028	95	149985	26.718	ug/L	97
35) Methylcyclohexane	9.275	83	256531	29.640	ug/L	99
37) 1,2-Dichloropropane	9.305	63	138650	27.806	ug/L	100
38) Bromodichloromethane	9.587	83	176116	26.195	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	209030	26.359	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	114203	62.818	ug/L	98
42) Toluene	10.334	91	651026	27.714	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	175172	27.497	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	112812	26.593	ug/L	97
46) Tetrachloroethene	10.810	164	125813	27.325	ug/L	94
48) 2-Hexanone	10.922	43	83604	65.231	ug/L	95
49) Dibromochloromethane	11.075	129	128011	27.719	ug/L	99
50) 1,2-Dibromoethane	11.181	107	106208	27.770	ug/L	94
51) Chlorobenzene	11.604	112	410465	26.710	ug/L	98
52) Ethylbenzene	11.687	91	667613	27.715	ug/L	99
53) m,p-Xylene	11.793	106	272165	28.375	ug/L	98
54) o-Xylene	12.122	106	252551	27.721	ug/L	95
55) Styrene	12.134	104	449325	28.337	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	126156	29.228	ug/L	100
59) Bromoform	12.299	173	75291	27.259	ug/L	99
60) Isopropylbenzene	12.422	105	651801	27.275	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	77788	27.476	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	496647	27.871	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	476443	27.736	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	300280	26.262	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	308605	25.716	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	268782	26.323	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	15798	27.913	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	177320	23.137	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	143927	22.662	ug/L	99
71) Naphthalene	15.334	128	287646	24.749	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	135606	23.920	ug/L	99

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

