

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076651.D
 Acq On : 30 Jun 2023 09:38
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025166

Quant Time: Jul 03 01:29:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2023
 Supervised By :Mahesh Dadoda 07/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	207230	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	190454	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	92386	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	107837	21.368	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	85.480%		
7) Chloroethane-d5	2.799	69	90616	22.206	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.840%		
11) 1,1-Dichloroethene-d2	3.917	65	32017	24.304	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	97.200%		
21) 2-Butanone-d5	6.981	46	38301	50.112	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	100.220%		
24) Chloroform-d	7.563	84	141249	25.871	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	103.480%		
26) 1,2-Dichloroethane-d4	8.228	65	74681	27.727	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	110.920%		
32) Benzene-d6	8.199	84	285864	24.537	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.160%		
36) 1,2-Dichloropropane-d6	9.210	67	89764	24.138	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.560%		
41) Toluene-d8	10.269	98	262897	24.370	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	97.480%		
43) trans-1,3-Dichloroprop...	10.522	79	38401	24.827	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	99.320%		
47) 2-Hexanone-d5	10.875	63	28065	48.617	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	97.240%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	72057	27.235	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	108.960%		
66) 1,2-Dichlorobenzene-d4	13.816	152	87715	25.903	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	103.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	85824	26.578	ug/L	98
3) Chloromethane	2.146	50	110128	20.515	ug/L	98
5) Vinyl chloride	2.281	62	127510	22.019	ug/L	91
6) Bromomethane	2.693	94	78202	24.381	ug/L	100
8) Chloroethane	2.834	64	80548	22.707	ug/L	96
9) Trichlorofluoromethane	3.169	101	121353	28.982	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	76908m	28.317	ug/L	
12) 1,1-Dichloroethene	3.940	96	66467	24.714	ug/L	91
13) Acetone	4.028	43	25615	41.494	ug/L	98
14) Carbon disulfide	4.264	76	227452	23.330	ug/L	99
15) Methyl Acetate	4.558	43	31055	22.037	ug/L #	82
16) Methylene chloride	4.799	84	78257	21.727	ug/L	96
17) trans-1,2-Dichloroethene	5.311	96	70895	23.644	ug/L	96
18) Methyl tert-butyl Ether	5.311	73	154835	22.682	ug/L #	90
19) 1,1-Dichloroethane	6.105	63	130514	23.808	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	79855	23.847	ug/L	96
22) 2-Butanone	7.075	43	42363	42.523	ug/L	99
23) Bromochloromethane	7.422	128	36191	25.464	ug/L	94
25) Chloroform	7.593	83	134350	25.112	ug/L	97

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27) 1,2-Dichloroethane	8.322	62	84589	25.710	ug/L	98
29) Cyclohexane	7.869	56	116521	23.007	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	112734	25.480	ug/L	99
31) Carbon tetrachloride	7.987	117	96138	27.170	ug/L	97
33) Benzene	8.252	78	295169	23.417	ug/L	100
34) Trichloroethene	9.028	95	75076	23.186	ug/L	99
35) Methylcyclohexane	9.275	83	127215	24.363	ug/L	99
37) 1,2-Dichloropropane	9.304	63	76844	22.361	ug/L #	97
38) Bromodichloromethane	9.581	83	95702	24.416	ug/L #	99
39) cis-1,3-Dichloropropene	10.016	75	121141	23.085	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	91717	42.902	ug/L	97
42) Toluene	10.334	91	314429	23.343	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	99428	23.311	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	55516	23.552	ug/L	96
46) Tetrachloroethene	10.810	164	61117	24.009	ug/L	88
48) 2-Hexanone	10.922	43	63580	43.424	ug/L	95
49) Dibromochloromethane	11.069	129	64776	24.181	ug/L	96
50) 1,2-Dibromoethane	11.181	107	54278	23.725	ug/L	89
51) Chlorobenzene	11.604	112	198213	23.569	ug/L	98
52) Ethylbenzene	11.681	91	351746	24.227	ug/L	97
53) m,p-Xylene	11.793	106	130452	22.863	ug/L	99
54) o-Xylene	12.122	106	128546	23.662	ug/L	95
55) Styrene	12.134	104	223616	23.825	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	65305	24.242	ug/L #	92
59) Bromoform	12.298	173	41048	24.819	ug/L	99
60) Isopropylbenzene	12.422	105	343801	24.330	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	44191	24.647	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	263011	23.263	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	265352	23.785	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	147297	23.430	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	150121	23.690	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	136716	24.412	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	9501	23.778	ug/L	95
69) 1,3,5-Trichlorobenzene	14.592	180	102714	24.495	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	87055	23.333	ug/L	98
71) Naphthalene	15.334	128	162413	22.737	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	76805	23.706	ug/L	98

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

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