

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
 Data File : VD077699.D
 Acq On : 29 Nov 2023 14:35
 Operator : JC/SY
 Sample : VSTD2.503
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5103

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/30/2023
 Supervised By :Mahesh Dadoda 11/30/2023

Quant Time: Nov 29 23:54:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 29 23:54:06 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	298469	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	271844	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	123512	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	22441	2.909	ug/L	0.00
7) Chloroethane-d5	2.805	69	18324	3.058	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.928	65	5919	2.593	ug/L	0.00
21) 2-Butanone-d5	6.999	46	4818m	3.855	ug/L	0.01
24) Chloroform-d	7.575	84	20948	2.478	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.240	65	10187	2.273	ug/L	0.00
32) Benzene-d6	8.210	84	42067	2.431	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	13546	2.435	ug/L	0.00
41) Toluene-d8	10.269	98	37162	2.355	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	5360	2.223	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	3725	3.769	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	8120	2.175	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.822	152	12101	2.787	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	11804	2.456	ug/L	97
3) Chloromethane	2.152	50	17345	2.511	ug/L	99
5) Vinyl chloride	2.287	62	21267	2.674	ug/L	94
6) Bromomethane	2.699	94	11251	2.700	ug/L	99
8) Chloroethane	2.840	64	13619	2.762	ug/L	87
9) Trichlorofluoromethane	3.181	101	19238	2.719	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	10407	2.389	ug/L	91
12) 1,1-Dichloroethene	3.946	96	9796	2.333	ug/L #	82
13) Acetone	4.040	43	5386m	3.931	ug/L	
14) Carbon disulfide	4.281	76	35635	2.345	ug/L #	91
15) Methyl Acetate	4.564	43	4730m	2.160	ug/L	
16) Methylene chloride	4.811	84	18272	3.646	ug/L	87
17) trans-1,2-Dichloroethene	5.311	96	9761m	2.212	ug/L	
18) Methyl tert-butyl Ether	5.322	73	20784m	2.037	ug/L	
19) 1,1-Dichloroethane	6.116	63	20840	2.381	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	12105	2.526	ug/L	98
22) 2-Butanone	7.099	43	5849m	3.559	ug/L	
23) Bromochloromethane	7.446	128	4950m	2.552	ug/L	
25) Chloroform	7.605	83	20273	2.502	ug/L	89
27) 1,2-Dichloroethane	8.328	62	11631	2.178	ug/L #	93
29) Cyclohexane	7.881	56	17276	2.019	ug/L #	73
30) 1,1,1-Trichloroethane	7.793	97	16602	2.370	ug/L	96
31) Carbon tetrachloride	7.993	117	13897	2.291	ug/L	92
33) Benzene	8.252	78	42367	2.282	ug/L	100
34) Trichloroethene	9.034	95	11012	2.389	ug/L	96
35) Methylcyclohexane	9.281	83	18615	2.241	ug/L	97
37) 1,2-Dichloropropane	9.304	63	11041	2.152	ug/L #	96
38) Bromodichloromethane	9.587	83	13902	2.356	ug/L #	87
39) cis-1,3-Dichloropropene	10.016	75	16625	2.113	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	11387	3.721	ug/L	98
42) Toluene	10.334	91	44423	2.269	ug/L	95
44) trans-1,3-Dichloropropene	10.557	75	13613	2.091	ug/L	95

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

45) 1,1,2-Trichloroethane	10.734	97	7058	2.224	ug/L	88
46) Tetrachloroethene	10.810	164	8768	2.551	ug/L	94
48) 2-Hexanone	10.922	43	8528m	3.436	ug/L	
49) Dibromochloromethane	11.075	129	9372	2.587	ug/L	85
50) 1,2-Dibromoethane	11.181	107	7001	2.303	ug/L #	96
51) Chlorobenzene	11.610	112	28860	2.496	ug/L	99
52) Ethylbenzene	11.687	91	49530	2.305	ug/L	98
53) m,p-Xylene	11.798	106	18878	2.399	ug/L	89
54) o-Xylene	12.122	106	16237	2.146	ug/L	98
55) Styrene	12.140	104	27716	2.094	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	7967	2.137	ug/L #	98
59) Bromoform	12.304	173	5224	2.505	ug/L #	92
60) Isopropylbenzene	12.422	105	44931	2.284	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	6008	2.349	ug/L	96
62) 1,3,5-Trimethylbenzene	12.910	105	33092	2.226	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	32726	2.170	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	20299	2.502	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	21295	2.587	ug/L	94
67) 1,2-Dichlorobenzene	13.840	146	17741	2.455	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.457	75	1593	2.842	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.598	180	13154	2.384	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	11391	2.452	ug/L	98
71) Naphthalene	15.334	128	18786	2.151	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	10016	2.514	ug/L	92

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

