

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
 Data File : VD077211.D
 Acq On : 25 Sep 2023 10:28
 Operator : JC/SY
 Sample : VSTD2.570
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5170

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/26/2023
 Supervised By :Mahesh Dadoda 09/26/2023

Quant Time: Sep 25 22:52:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	298162	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	299198	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	149827	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	24669	3.617	ug/L	0.00
7) Chloroethane-d5	2.805	69	16273	2.819	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	7030	4.365	ug/L	0.00
21) 2-Butanone-d5	6.987	46	6984	7.100	ug/L	0.00
24) Chloroform-d	7.569	84	30805	3.727	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	15932	4.057	ug/L	0.00
32) Benzene-d6	8.199	84	62912	3.846	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	20036	4.158	ug/L	0.00
41) Toluene-d8	10.269	98	52206	3.521	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	8118	3.853	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	4943	6.303	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	16654	3.809	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	18389	3.861	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	15850	4.242	ug/L	94
3) Chloromethane	2.146	50	17417	2.755	ug/L	99
5) Vinyl chloride	2.281	62	20205	2.768	ug/L	93
6) Bromomethane	2.693	94	10617	2.095	ug/L #	68
8) Chloroethane	2.834	64	9465	1.926	ug/L	92
9) Trichlorofluoromethane	3.175	101	23029	3.239	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	15143	3.456	ug/L #	89
12) 1,1-Dichloroethene	3.934	96	11380	2.877	ug/L #	64
13) Acetone	4.022	43	7162	5.176	ug/L	83
14) Carbon disulfide	4.270	76	29096	2.333	ug/L	97
15) Methyl Acetate	4.558	43	6848	3.651	ug/L #	80
16) Methylene chloride	4.805	84	21917m	3.595	ug/L	
17) trans-1,2-Dichloroethene	5.311	96	12907m	2.943	ug/L	
18) Methyl tert-butyl Ether	5.322	73	28317	2.925	ug/L #	62
19) 1,1-Dichloroethane	6.105	63	25263	3.341	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	15600	3.066	ug/L	96
22) 2-Butanone	7.087	43	9672m	5.846	ug/L	
23) Bromochloromethane	7.428	128	8158	3.357	ug/L #	74
25) Chloroform	7.593	83	28325	3.368	ug/L	95
27) 1,2-Dichloroethane	8.322	62	16906	3.348	ug/L #	87
29) Cyclohexane	7.881	56	13665	2.508	ug/L	98
30) 1,1,1-Trichloroethane	7.805	97	23191m	3.291	ug/L	
31) Carbon tetrachloride	7.999	117	17184	2.915	ug/L	100
33) Benzene	8.252	78	54796	3.016	ug/L	100
34) Trichloroethene	9.028	95	13761	2.886	ug/L	96
35) Methylcyclohexane	9.275	83	17457	2.448	ug/L	95
37) 1,2-Dichloropropane	9.305	63	15900	3.393	ug/L #	95
38) Bromodichloromethane	9.587	83	21798	3.405	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	22357	3.050	ug/L	92
40) 4-Methyl-2-pentanone	10.163	43	17225	6.590	ug/L #	92
42) Toluene	10.334	91	54334	2.758	ug/L	92
44) trans-1,3-Dichloropropene	10.557	75	18728	2.977	ug/L	96

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

45) 1,1,2-Trichloroethane	10.734	97	14162	3.549	ug/L	88
46) Tetrachloroethene	10.816	164	11030	2.845	ug/L	84
48) 2-Hexanone	10.922	43	11701	5.785	ug/L	96
49) Dibromochloromethane	11.075	129	15074	3.279	ug/L	100
50) 1,2-Dibromoethane	11.175	107	12651	3.281	ug/L #	84
51) Chlorobenzene	11.610	112	40293	3.064	ug/L	94
52) Ethylbenzene	11.687	91	58796	2.767	ug/L	97
53) m,p-Xylene	11.793	106	21930	2.672	ug/L	99
54) o-Xylene	12.122	106	21077	2.664	ug/L	96
55) Styrene	12.134	104	36911	2.590	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	16133	3.440	ug/L	99
59) Bromoform	12.299	173	9003	3.286	ug/L	93
60) Isopropylbenzene	12.422	105	54389	2.807	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	10465	3.542	ug/L	92
62) 1,3,5-Trimethylbenzene	12.904	105	40783	2.723	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	40289	2.734	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	30543	3.285	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	32060	3.283	ug/L	91
67) 1,2-Dichlorobenzene	13.834	146	27838	3.244	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	2262	3.685	ug/L #	63
69) 1,3,5-Trichlorobenzene	14.593	180	19765	3.213	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	16559	3.158	ug/L	98
71) Naphthalene	15.334	128	32351	3.068	ug/L	96
72) 1,2,3-Trichlorobenzene	15.528	180	15757	3.243	ug/L	99

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

