

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
 Data File : VD077700.D
 Acq On : 29 Nov 2023 15:02
 Operator : JC/SY
 Sample : VSTD00504
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005104

Manual Integrations
 APPROVED

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

Quant Time: Nov 29 23:55:05 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	308456	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	281609	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	134610	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	44678	5.605	ug/L	0.00
7) Chloroethane-d5	2.805	69	37182	6.003	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.928	65	12181	5.163	ug/L	0.00
21) 2-Butanone-d5	6.993	46	11702m	9.060	ug/L	0.00
24) Chloroform-d	7.569	84	42812	4.901	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.240	65	21251	4.587	ug/L	0.00
32) Benzene-d6	8.204	84	88192	4.919	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.216	67	26965	4.679	ug/L	0.00
41) Toluene-d8	10.275	98	77880	4.765	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	12148	4.863	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	8990	8.781	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	20452	5.287	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	24200	5.114	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	24063	4.845	ug/L	98
3) Chloromethane	2.152	50	35765	5.011	ug/L	97
5) Vinyl chloride	2.287	62	42089	5.122	ug/L	96
6) Bromomethane	2.693	94	21916	5.088	ug/L	100
8) Chloroethane	2.840	64	27032	5.305	ug/L	99
9) Trichlorofluoromethane	3.175	101	38002	5.198	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	21852	4.854	ug/L	97
12) 1,1-Dichloroethene	3.946	96	20311	4.681	ug/L #	68
13) Acetone	4.034	43	12514m	8.837	ug/L	
14) Carbon disulfide	4.275	76	71319	4.541	ug/L	99
15) Methyl Acetate	4.569	43	10401	4.596	ug/L	91
16) Methylene chloride	4.805	84	31032	5.991	ug/L	97
17) trans-1,2-Dichloroethene	5.322	96	21576	4.730	ug/L	89
18) Methyl tert-butyl Ether	5.322	73	48857	4.633	ug/L #	78
19) 1,1-Dichloroethane	6.110	63	40424	4.469	ug/L	99
20) cis-1,2-Dichloroethene	7.087	96	23475	4.741	ug/L	96
22) 2-Butanone	7.093	43	14415m	8.487	ug/L	
23) Bromochloromethane	7.428	128	10057	5.018	ug/L	87
25) Chloroform	7.599	83	40430	4.829	ug/L	94
27) 1,2-Dichloroethane	8.328	62	26142	4.737	ug/L	95
29) Cyclohexane	7.875	56	35231	3.974	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	36292	5.001	ug/L	97
31) Carbon tetrachloride	7.993	117	31409	4.998	ug/L	99
33) Benzene	8.252	78	92808	4.825	ug/L	100
34) Trichloroethene	9.028	95	22365	4.684	ug/L	95
35) Methylcyclohexane	9.275	83	38241	4.443	ug/L	98
37) 1,2-Dichloropropane	9.310	63	24976	4.700	ug/L	99
38) Bromodichloromethane	9.587	83	30815	5.041	ug/L	97
39) cis-1,3-Dichloropropene	10.022	75	38155	4.681	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	27094	8.547	ug/L #	95
42) Toluene	10.334	91	93845	4.627	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	30999	4.596	ug/L	99

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

45) 1,1,2-Trichloroethane	10.740	97	16754	5.096	ug/L	93
46) Tetrachloroethene	10.810	164	17700	4.970	ug/L	94
48) 2-Hexanone	10.928	43	20619	8.020	ug/L #	98
49) Dibromochloromethane	11.075	129	19236	5.126	ug/L	93
50) 1,2-Dibromoethane	11.187	107	16173	5.135	ug/L #	91
51) Chlorobenzene	11.610	112	58846	4.914	ug/L	99
52) Ethylbenzene	11.687	91	103753	4.662	ug/L	99
53) m,p-Xylene	11.798	106	38738	4.751	ug/L	85
54) o-Xylene	12.122	106	36739	4.687	ug/L	95
55) Styrene	12.140	104	64561	4.708	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	20303	5.257	ug/L #	92
59) Bromoform	12.304	173	11733	5.162	ug/L #	98
60) Isopropylbenzene	12.422	105	98189	4.580	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	13362	4.793	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	72302	4.462	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	73454	4.470	ug/L	96
64) 1,3-Dichlorobenzene	13.463	146	43210	4.886	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	46136	5.143	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	38641	4.907	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	3384	5.539	ug/L	98
69) 1,3,5-Trichlorobenzene	14.598	180	29119	4.843	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	24880	4.914	ug/L	95
71) Naphthalene	15.339	128	46281	4.861	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	21942	5.053	ug/L	99

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

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