

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110923\
 Data File : VD077529.D
 Acq On : 09 Nov 2023 11:33
 Operator : JC/SY
 Sample : VSTDICV025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV102

Quant Time: Nov 10 00:34:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 00:25:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	374493	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	337222	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	160592	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	208981	21.937	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.760%
7) Chloroethane-d5	2.805	69	167806	22.422	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.680%
11) 1,1-Dichloroethene-d2	3.922	65	63854	21.676	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.720%
21) 2-Butanone-d5	6.987	46	72539	43.980	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.960%
24) Chloroform-d	7.575	84	258500	23.895	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	8.234	65	133706	23.235	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.960%
32) Benzene-d6	8.204	84	521918	23.846	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	9.210	67	169522	23.779	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.120%
41) Toluene-d8	10.269	98	471123	23.821	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.280%
43) trans-1,3-Dichloroprop...	10.528	79	70483	22.930	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.720%
47) 2-Hexanone-d5	10.881	63	54547	42.771	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.540%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108951	23.066	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.280%
66) 1,2-Dichlorobenzene-d4	13.816	152	134654	23.569	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	125530	20.814	ug/L	100
3) Chloromethane	2.152	50	197904	22.808	ug/L	97
5) Vinyl chloride	2.287	62	214311	21.883	ug/L	98
6) Bromomethane	2.699	94	117903	22.613	ug/L	97
8) Chloroethane	2.840	64	133294	21.892	ug/L	96
9) Trichlorofluoromethane	3.181	101	187577	21.046	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	115139	20.992	ug/L	99
12) 1,1-Dichloroethene	3.946	96	111990	21.029	ug/L	94
13) Acetone	4.022	43	73011	42.112	ug/L	96
14) Carbon disulfide	4.275	76	412292	21.500	ug/L	96
15) Methyl Acetate	4.569	43	58832	20.627	ug/L	100
16) Methylene chloride	4.810	84	129419	20.468	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	121417	21.674	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	279738	21.275	ug/L	99
19) 1,1-Dichloroethane	6.116	63	247667	22.035	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	134184	22.047	ug/L	96
22) 2-Butanone	7.087	43	84976	40.735	ug/L	97
23) Bromochloromethane	7.428	128	53755	21.981	ug/L	95
25) Chloroform	7.599	83	229448	22.222	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	150665	22.012	ug/L	97
29) Cyclohexane	7.881	56	232796	21.262	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	193920	21.966	ug/L	99
31) Carbon tetrachloride	7.993	117	168490	22.208	ug/L	98
33) Benzene	8.251	78	527271	22.547	ug/L	100
34) Trichloroethene	9.028	95	130888	22.588	ug/L	95
35) Methylcyclohexane	9.275	83	225529	21.568	ug/L	99
37) 1,2-Dichloropropane	9.310	63	143939	22.141	ug/L	99
38) Bromodichloromethane	9.587	83	164798	22.100	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	222133	22.236	ug/L	98
40) 4-Methyl-2-pentanone	10.163	43	163011	41.147	ug/L	99
42) Toluene	10.334	91	554178	22.571	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	181528	21.991	ug/L	98
45) 1,1,2-Trichloroethane	10.740	97	85950	21.629	ug/L	98
46) Tetrachloroethene	10.810	164	95054	22.294	ug/L	100
48) 2-Hexanone	10.922	43	129674	41.295	ug/L	100
49) Dibromochloromethane	11.075	129	97280	21.551	ug/L	93
50) 1,2-Dibromoethane	11.181	107	81686	21.495	ug/L	99
51) Chlorobenzene	11.610	112	324377	22.551	ug/L	99
52) Ethylbenzene	11.687	91	606097	22.435	ug/L	97
53) m,p-Xylene	11.792	106	219429	22.321	ug/L	99
54) o-Xylene	12.122	106	212843	22.606	ug/L	98
55) Styrene	12.139	104	369587	22.482	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	100466	21.461	ug/L	95
59) Bromoform	12.304	173	58160	21.242	ug/L	100
60) Isopropylbenzene	12.422	105	578282	22.262	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	69120	20.206	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	438653	22.250	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	448265	22.447	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	233319	21.894	ug/L	100
65) 1,4-Dichlorobenzene	13.539	146	238300	22.158	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	204066	21.659	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.451	75	14621	19.650	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.598	180	157544	21.712	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	132098	21.601	ug/L	100
71) Naphthalene	15.333	128	242239	21.018	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	114170	21.895	ug/L	97

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

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