

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051123\
 Data File : VD076071.D
 Acq On : 11 May 2023 10:35
 Operator : KP/SY
 Sample : VSTD2.546
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5146

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/12/2023

Quant Time: May 12 01:48:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL051123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 12 01:47:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	397746	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	360417	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	180350	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	20339	3.343	ug/L	0.00
7) Chloroethane-d5	2.805	69	18199	3.258	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.911	65	4694m	3.064	ug/L	0.00
21) 2-Butanone-d5	6.987	46	3607m	4.355	ug/L	0.00
24) Chloroform-d	7.569	84	25879	3.106	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	11153	3.044	ug/L	0.00
32) Benzene-d6	8.199	84	48537	2.987	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	15209	3.038	ug/L	0.00
41) Toluene-d8	10.269	98	40591	2.803	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.534	79	5385	2.865	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	3309	4.513	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	11645	2.701	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	15637	3.035	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	13183	2.650	ug/L	99
3) Chloromethane	2.146	50	19405	2.744	ug/L	86
5) Vinyl chloride	2.281	62	24992	2.768	ug/L	99
6) Bromomethane	2.687	94	15614	2.788	ug/L	96
8) Chloroethane	2.834	64	16397	2.830	ug/L	96
9) Trichlorofluoromethane	3.175	101	19921	2.695	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	14445	2.744	ug/L	98
12) 1,1-Dichloroethene	3.934	96	12573m	2.664	ug/L	
13) Acetone	4.034	43	3821m	5.216	ug/L	
14) Carbon disulfide	4.269	76	39384	2.680	ug/L	97
15) Methyl Acetate	4.569	43	4241m	2.683	ug/L	
16) Methylene chloride	4.793	84	17572	2.717	ug/L	92
17) trans-1,2-Dichloroethene	5.316	96	13076m	2.588	ug/L	
18) Methyl tert-butyl Ether	5.316	73	20384	2.273	ug/L	# 89
19) 1,1-Dichloroethane	6.105	63	23904	2.776	ug/L	89
20) cis-1,2-Dichloroethene	7.075	96	13845	2.472	ug/L	91
22) 2-Butanone	7.087	43	4590m	4.487	ug/L	
23) Bromochloromethane	7.416	128	7243	2.645	ug/L	# 95
25) Chloroform	7.593	83	25034	2.723	ug/L	98
27) 1,2-Dichloroethane	8.328	62	12759	2.633	ug/L	# 91
29) Cyclohexane	7.875	56	13095m	2.190	ug/L	
30) 1,1,1-Trichloroethane	7.793	97	20294	2.772	ug/L	99
31) Carbon tetrachloride	7.993	117	14528	2.519	ug/L	100
33) Benzene	8.252	78	49637	2.477	ug/L	100
34) Trichloroethene	9.022	95	14283	2.762	ug/L	91
35) Methylcyclohexane	9.275	83	17774	2.268	ug/L	91
37) 1,2-Dichloropropane	9.305	63	12980	2.540	ug/L	# 95
38) Bromodichloromethane	9.587	83	17499	2.672	ug/L	# 91
39) cis-1,3-Dichloropropene	10.016	75	17492	2.376	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	8749	4.247	ug/L	90
42) Toluene	10.334	91	50088	2.342	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	14650	2.385	ug/L	97

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45) 1,1,2-Trichloroethane	10.734	97	10711	2.595	ug/L	94	05/12/2023
46) Tetrachloroethene	10.810	164	11262	2.606	ug/L	89	Supervised By :Mahesh Dadoda
48) 2-Hexanone	10.922	43	6330	4.234	ug/L #	85	
49) Dibromochloromethane	11.075	129	11447	2.571	ug/L	95	
50) 1,2-Dibromoethane	11.181	107	9031	2.478	ug/L #	93	
51) Chlorobenzene	11.604	112	38525	2.646	ug/L	99	
52) Ethylbenzene	11.687	91	53179	2.396	ug/L	99	05/12/2023
53) m,p-Xylene	11.798	106	19285	2.229	ug/L	90	
54) o-Xylene	12.122	106	17698	2.156	ug/L	95	
55) Styrene	12.134	104	31347	2.156	ug/L	97	
57) 1,1,2,2-Tetrachloroethane	12.675	83	11466	2.482	ug/L #	99	
59) Bromoform	12.298	173	7119	2.716	ug/L #	93	
60) Isopropylbenzene	12.422	105	45818	2.237	ug/L	96	
61) 1,2,3-Trichloropropane	12.728	75	7614	2.625	ug/L	97	
62) 1,3,5-Trimethylbenzene	12.904	105	33482	2.131	ug/L	98	
63) 1,2,4-Trimethylbenzene	13.210	105	32810	2.184	ug/L	98	
64) 1,3-Dichlorobenzene	13.463	146	27360	2.573	ug/L	95	
65) 1,4-Dichlorobenzene	13.540	146	30289	2.739	ug/L	92	
67) 1,2-Dichlorobenzene	13.834	146	26250	2.707	ug/L	97	
68) 1,2-Dibromo-3-chloropr...	14.445	75	1563	2.686	ug/L #	75	
69) 1,3,5-Trichlorobenzene	14.592	180	18734	2.773	ug/L	99	
70) 1,2,4-trichlorobenzene	15.098	180	12418	2.323	ug/L	97	
71) Naphthalene	15.334	128	21625	2.152	ug/L	99	
72) 1,2,3-Trichlorobenzene	15.522	180	11510	2.367	ug/L	98	

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

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