

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080323\
 Data File : VD076912.D
 Acq On : 03 Aug 2023 10:33
 Operator : KP/SY
 Sample : VSTD00559
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005159

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/04/2023
 Supervised By :Semsettin Yesilyurt 08/04/2023

Quant Time: Aug 04 01:41:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 04 01:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	270791	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	272885	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	134557	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	44503	6.891	ug/L	0.00
7) Chloroethane-d5	2.793	69	40469	7.467	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	10249	6.089	ug/L	0.00
21) 2-Butanone-d5	6.993	46	12638	12.393	ug/L	0.00
24) Chloroform-d	7.563	84	46848	6.474	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	23826	6.667	ug/L	0.00
32) Benzene-d6	8.204	84	93235	5.709	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	28374	5.467	ug/L	0.00
41) Toluene-d8	10.269	98	81881	5.390	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	11932	5.479	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	9577	11.203	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	25815	6.539	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	25336	5.229	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	25794	6.168	ug/L	100
3) Chloromethane	2.146	50	31884	4.720	ug/L	98
5) Vinyl chloride	2.281	62	42951	5.636	ug/L	91
6) Bromomethane	2.681	94	32276	7.139	ug/L	98
8) Chloroethane	2.834	64	30501	6.388	ug/L	98
9) Trichlorofluoromethane	3.175	101	35757	6.230	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	22942m	6.151	ug/L	
12) 1,1-Dichloroethene	3.940	96	20177	5.629	ug/L	83
13) Acetone	4.016	43	10553	11.577	ug/L	72
14) Carbon disulfide	4.263	76	71360	5.511	ug/L	96
15) Methyl Acetate	4.563	43	10791m	5.801	ug/L	
16) Methylene chloride	4.793	84	32999	6.838	ug/L #	72
17) trans-1,2-Dichloroethene	5.311	96	22817m	5.656	ug/L	
18) Methyl tert-butyl Ether	5.316	73	49795	5.444	ug/L #	83
19) 1,1-Dichloroethane	6.110	63	40248	5.583	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	24910	5.548	ug/L	98
22) 2-Butanone	7.075	43	17147	12.384	ug/L	82
23) Bromochloromethane	7.422	128	13268	6.807	ug/L	78
25) Chloroform	7.599	83	42958	5.950	ug/L	100
27) 1,2-Dichloroethane	8.322	62	27140	6.104	ug/L #	92
29) Cyclohexane	7.875	56	28765	4.080	ug/L #	85
30) 1,1,1-Trichloroethane	7.793	97	35649	5.568	ug/L	97
31) Carbon tetrachloride	7.993	117	26698	5.156	ug/L	98
33) Benzene	8.252	78	93437	5.188	ug/L	100
34) Trichloroethene	9.028	95	23650	5.123	ug/L	92
35) Methylcyclohexane	9.269	83	35610	4.726	ug/L	96
37) 1,2-Dichloropropane	9.304	63	22939	4.698	ug/L	100
38) Bromodichloromethane	9.587	83	33566	5.890	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	35681	4.755	ug/L	97
40) 4-Methyl-2-pentanone	10.163	43	29060	9.618	ug/L #	93
42) Toluene	10.334	91	95273	4.918	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	32823	5.328	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	21378	6.086	ug/L	93
46) Tetrachloroethene	10.804	164	17449	4.775	ug/L	90
48) 2-Hexanone	10.916	43	20569	9.659	ug/L #	95
49) Dibromochloromethane	11.075	129	23244	5.901	ug/L	98
50) 1,2-Dibromoethane	11.181	107	19456	5.711	ug/L	86
51) Chlorobenzene	11.610	112	64508	5.330	ug/L	97
52) Ethylbenzene	11.681	91	98376	4.713	ug/L	96
53) m,p-Xylene	11.793	106	37677	4.603	ug/L	89
54) o-Xylene	12.122	106	35564	4.564	ug/L	90
55) Styrene	12.134	104	64942	4.766	ug/L	89
57) 1,1,2,2-Tetrachloroethane	12.675	83	25634	6.265	ug/L	99
59) Bromoform	12.298	173	13873	5.654	ug/L	98
60) Isopropylbenzene	12.422	105	93636	4.582	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	17010	6.275	ug/L	95
62) 1,3,5-Trimethylbenzene	12.904	105	69346	4.284	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	69310	4.309	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	45476	5.019	ug/L	94
65) 1,4-Dichlorobenzene	13.539	146	46984	5.097	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	42368	5.186	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	3828	6.407	ug/L #	71
69) 1,3,5-Trichlorobenzene	14.592	180	27587	4.601	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	22845	4.288	ug/L	98
71) Naphthalene	15.334	128	53590	5.043	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	22243	4.751	ug/L	96

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

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