

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090123\
 Data File : VD077078.D
 Acq On : 01 Sep 2023 09:57
 Operator : JC/SY
 Sample : VSTD2.564
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5164

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/04/2023
 Supervised By :Mahesh Dadoda 09/05/2023

Quant Time: Sep 02 01:20:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 02 01:20:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	283976	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	278808	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	143248	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	13911	1.686	ug/L	0.00
7) Chloroethane-d5	2.805	69	11796	1.591	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.917	65	3308	1.724	ug/L	0.00
21) 2-Butanone-d5	6.993	46	4195m	3.423	ug/L	0.00
24) Chloroform-d	7.569	84	16897	1.791	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	7286	1.559	ug/L	0.00
32) Benzene-d6	8.199	84	32102	1.777	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	9497	1.740	ug/L	0.00
41) Toluene-d8	10.263	98	26771	1.618	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	3950	1.586	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	2969m	2.966	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	8974	1.732	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	9617	1.805	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	8545	1.826	ug/L	89
3) Chloromethane	2.146	50	16022	2.618	ug/L	93
5) Vinyl chloride	2.281	62	17238	1.984	ug/L	98
6) Bromomethane	2.693	94	11461	1.792	ug/L	90
8) Chloroethane	2.834	64	11004	1.896	ug/L	95
9) Trichlorofluoromethane	3.170	101	16188	2.223	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	9975	2.106	ug/L #	55
12) 1,1-Dichloroethene	3.934	96	9250	2.198	ug/L	94
13) Acetone	4.022	43	8740	6.838	ug/L	92
14) Carbon disulfide	4.269	76	29865	2.082	ug/L	98
15) Methyl Acetate	4.558	43	4547m	2.149	ug/L	
16) Methylene chloride	4.805	84	22577m	3.766	ug/L	
17) trans-1,2-Dichloroethene	5.305	96	9113	1.931	ug/L	99
18) Methyl tert-butyl Ether	5.328	73	21405	2.075	ug/L #	89
19) 1,1-Dichloroethane	6.116	63	16524	2.089	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	11562	2.183	ug/L	89
22) 2-Butanone	7.075	43	9939m	5.648	ug/L	
23) Bromochloromethane	7.422	128	5279	2.055	ug/L	91
25) Chloroform	7.593	83	18475	2.127	ug/L	82
27) 1,2-Dichloroethane	8.328	62	11199	2.074	ug/L	97
29) Cyclohexane	7.875	56	11064	1.816	ug/L #	65
30) 1,1,1-Trichloroethane	7.787	97	16023	2.291	ug/L	97
31) Carbon tetrachloride	7.993	117	13057	2.268	ug/L	100
33) Benzene	8.252	78	38042	2.076	ug/L	100
34) Trichloroethene	9.022	95	10700	2.233	ug/L #	81
35) Methylcyclohexane	9.275	83	15422	1.996	ug/L #	82
37) 1,2-Dichloropropane	9.304	63	10637	2.293	ug/L	99
38) Bromodichloromethane	9.587	83	13994	2.188	ug/L #	98
39) cis-1,3-Dichloropropene	10.010	75	14438	1.928	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	11356	3.943	ug/L	96
42) Toluene	10.328	91	40036	2.010	ug/L	91
44) trans-1,3-Dichloropropene	10.551	75	13205	2.022	ug/L	98

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

45) 1,1,2-Trichloroethane	10.734	97	8684	2.132	ug/L	94
46) Tetrachloroethene	10.810	164	8607	2.361	ug/L	94
48) 2-Hexanone	10.922	43	8626	3.908	ug/L	92
49) Dibromochloromethane	11.081	129	10429	2.260	ug/L	79
50) 1,2-Dibromoethane	11.175	107	8924	2.229	ug/L #	76
51) Chlorobenzene	11.610	112	28551	2.178	ug/L	96
52) Ethylbenzene	11.681	91	43156	2.029	ug/L	96
53) m,p-Xylene	11.793	106	16578	2.013	ug/L	95
54) o-Xylene	12.122	106	15251	1.925	ug/L	95
55) Styrene	12.134	104	26806	1.874	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.669	83	10426	2.077	ug/L #	91
59) Bromoform	12.298	173	6568	2.306	ug/L #	95
60) Isopropylbenzene	12.422	105	39546	1.927	ug/L	95
61) 1,2,3-Trichloropropane	12.728	75	7240	2.218	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.904	105	29038	1.850	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	27432	1.763	ug/L	92
64) 1,3-Dichlorobenzene	13.457	146	20632	2.185	ug/L	92
65) 1,4-Dichlorobenzene	13.534	146	22841	2.348	ug/L	94
67) 1,2-Dichlorobenzene	13.834	146	19058	2.161	ug/L	86
68) 1,2-Dibromo-3-chloropr...	14.445	75	1320	1.747	ug/L #	89
69) 1,3,5-Trichlorobenzene	14.598	180	13893	2.343	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	11913	2.291	ug/L	97
71) Naphthalene	15.334	128	22086	1.852	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.522	180	10908	2.320	ug/L	95

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

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