

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051724\
 Data File : VD078962.D
 Acq On : 17 May 2024 12:49
 Operator : RP/MD
 Sample : VSTD2.532
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD2.5132

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/20/2024
 Supervised By :Semsettin Yesilyurt 05/20/2024

Quant Time: May 18 00:37:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 18 00:33:46 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	133965	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	138186	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	67659	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	9192	2.799	ug/L	0.00
7) Chloroethane-d5	2.799	69	9729	2.768	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.905	65	1716m	2.715	ug/L	-0.01
21) 2-Butanone-d5	6.987	46	2687	5.781	ug/L	0.00
24) Chloroform-d	7.575	84	12052m	3.022	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	5648	2.982	ug/L	0.00
32) Benzene-d6	8.198	84	19410	2.753	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.204	67	6489	3.020	ug/L	0.00
41) Toluene-d8	10.269	98	17943	2.761	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	2887	2.917	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	2326	5.402	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	7624	3.120	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	6479	2.821	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	8403	3.135	ug/L	97
3) Chloromethane	2.146	50	10608	3.225	ug/L	92
5) Vinyl chloride	2.287	62	15557	2.891	ug/L	100
6) Bromomethane	2.693	94	11925	3.099	ug/L	97
8) Chloroethane	2.834	64	11967	2.880	ug/L	88
9) Trichlorofluoromethane	3.175	101	11770	2.805	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	7386m	2.804	ug/L	
12) 1,1-Dichloroethene	3.940	96	6345	2.739	ug/L #	74
13) Acetone	4.022	43	2989m	5.205	ug/L	
14) Carbon disulfide	4.269	76	21026	3.132	ug/L #	95
15) Methyl Acetate	4.563	43	2372	2.503	ug/L #	79
16) Methylene chloride	4.804	84	12636m	3.982	ug/L	
17) trans-1,2-Dichloroethene	5.304	96	6325m	2.682	ug/L	
18) Methyl tert-butyl Ether	5.316	73	11693m	2.325	ug/L	
19) 1,1-Dichloroethane	6.116	63	10260	2.590	ug/L	91
20) cis-1,2-Dichloroethene	7.087	96	6563	2.440	ug/L	85
22) 2-Butanone	7.075	43	3327	5.153	ug/L	72
23) Bromochloromethane	7.434	128	3701m	2.753	ug/L	
25) Chloroform	7.593	83	13241	2.781	ug/L	95
27) 1,2-Dichloroethane	8.328	62	7608	2.759	ug/L #	93
29) Cyclohexane	7.881	56	6916	2.604	ug/L #	55
30) 1,1,1-Trichloroethane	7.793	97	10722	2.804	ug/L	98
31) Carbon tetrachloride	7.993	117	9837	2.794	ug/L	99
33) Benzene	8.245	78	23550	2.486	ug/L	100
34) Trichloroethene	9.028	95	6547	2.683	ug/L	97
35) Methylcyclohexane	9.269	83	9362	2.552	ug/L	99
37) 1,2-Dichloropropane	9.304	63	6086	2.535	ug/L #	92
38) Bromodichloromethane	9.581	83	8610	2.536	ug/L #	89
39) cis-1,3-Dichloropropene	10.016	75	8991	2.388	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	6248	5.153	ug/L	92
42) Toluene	10.334	91	24309	2.334	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	7813	2.347	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.728	97	5452	2.484	ug/L #	84
46) Tetrachloroethene	10.810	164	6060	2.886	ug/L	96
48) 2-Hexanone	10.922	43	4718	5.019	ug/L #	82
49) Dibromochloromethane	11.075	129	7259	2.720	ug/L	84
50) 1,2-Dibromoethane	11.181	107	5311	2.561	ug/L #	99
51) Chlorobenzene	11.604	112	19310	2.625	ug/L	93
52) Ethylbenzene	11.681	91	26176	2.329	ug/L	91
53) m,p-Xylene	11.798	106	10253	2.280	ug/L	73
54) o-Xylene	12.116	106	9768	2.230	ug/L	89
55) Styrene	12.134	104	15196	1.964	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	6801	2.555	ug/L #	93
59) Bromoform	12.298	173	4478	2.924	ug/L #	85
60) Isopropylbenzene	12.422	105	22963	2.296	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	4618	2.978	ug/L	93
62) 1,3,5-Trimethylbenzene	12.904	105	15419	2.085	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	16198	2.156	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	12512	2.576	ug/L	88
65) 1,4-Dichlorobenzene	13.539	146	14098	2.692	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	12241	2.662	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.457	75	828m	2.563	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	8232	2.609	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	7289	2.729	ug/L	99
71) Naphthalene	15.327	128	13556	2.488	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	6790	2.720	ug/L	98

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

