

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092523\
 Data File : VD077217.D
 Acq On : 25 Sep 2023 15:13
 Operator : JC/SY
 Sample : VSTD00575
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD005175

Quant Time: Sep 25 22:54:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Sep 25 22:51:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/26/2023
 Supervised By : Mahesh Dadoda 09/26/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	278864	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	281841	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	148588	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	53335	8.360	ug/L	0.00
7) Chloroethane-d5	2.799	69	27791	5.148	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.916	65	13717	9.106	ug/L	0.00
21) 2-Butanone-d5	6.981	46	14721	16.002	ug/L	0.00
24) Chloroform-d	7.569	84	61329	7.934	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	30950	8.428	ug/L	0.00
32) Benzene-d6	8.199	84	118653	7.700	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	36259	7.989	ug/L	0.00
41) Toluene-d8	10.269	98	102422	7.334	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	14962	7.538	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	10093	13.663	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	31532	7.655	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	34687	7.343	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	28366	8.117	ug/L	99
3) Chloromethane	2.146	50	34464	5.828	ug/L	93
5) Vinyl chloride	2.281	62	39625	5.805	ug/L	97
6) Bromomethane	2.687	94	16156	3.409	ug/L	88
8) Chloroethane	2.834	64	17198	3.741	ug/L	96
9) Trichlorofluoromethane	3.169	101	44002	6.617	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	29017	7.080	ug/L #	47
12) 1,1-Dichloroethene	3.940	96	22351	6.041	ug/L	91
13) Acetone	4.028	43	12034	9.298	ug/L	57
14) Carbon disulfide	4.269	76	54112	4.640	ug/L	100
15) Methyl Acetate	4.569	43	12129	6.913	ug/L #	85
16) Methylene chloride	4.799	84	50566	8.869	ug/L	99
17) trans-1,2-Dichloroethene	5.311	96	23209m	5.659	ug/L	
18) Methyl tert-butyl Ether	5.322	73	53376	5.896	ug/L #	93
19) 1,1-Dichloroethane	6.105	63	46805	6.619	ug/L	98
20) cis-1,2-Dichloroethene	7.069	96	28718m	6.036	ug/L	
22) 2-Butanone	7.075	43	17345	11.210	ug/L #	64
23) Bromochloromethane	7.434	128	13663m	6.012	ug/L	
25) Chloroform	7.599	83	51657	6.567	ug/L	92
27) 1,2-Dichloroethane	8.328	62	30319	6.419	ug/L	96
29) Cyclohexane	7.875	56	27577	5.373	ug/L	98
30) 1,1,1-Trichloroethane	7.799	97	42637	6.424	ug/L	99
31) Carbon tetrachloride	7.987	117	34472	6.207	ug/L	96
33) Benzene	8.252	78	98771	5.771	ug/L	100
34) Trichloroethene	9.028	95	27534	6.130	ug/L	94
35) Methylcyclohexane	9.269	83	35589	5.297	ug/L	97
37) 1,2-Dichloropropane	9.304	63	28807	6.525	ug/L	99
38) Bromodichloromethane	9.587	83	38133	6.324	ug/L #	91
39) cis-1,3-Dichloropropene	10.016	75	39889	5.777	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	29934	12.157	ug/L	99
42) Toluene	10.334	91	106323	5.729	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	35567	6.002	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	24123	6.418	ug/L	96
46) Tetrachloroethene	10.810	164	21087	5.774	ug/L	90
48) 2-Hexanone	10.922	43	23334	12.246	ug/L	99
49) Dibromochloromethane	11.075	129	26387	6.094	ug/L	94
50) 1,2-Dibromoethane	11.175	107	22792	6.275	ug/L	99
51) Chlorobenzene	11.604	112	77684	6.271	ug/L	96
52) Ethylbenzene	11.687	91	113486	5.670	ug/L	98
53) m,p-Xylene	11.793	106	42007	5.433	ug/L	98
54) o-Xylene	12.122	106	40497	5.434	ug/L	98
55) Styrene	12.134	104	73075	5.444	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	29774	6.740	ug/L	97
59) Bromoform	12.304	173	17485	6.436	ug/L	96
60) Isopropylbenzene	12.422	105	111144	5.785	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	20658	7.051	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	77771	5.235	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	75089	5.138	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	55621	6.031	ug/L	94
65) 1,4-Dichlorobenzene	13.534	146	60562	6.254	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	51022	5.995	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.445	75	4409	7.242	ug/L #	68
69) 1,3,5-Trichlorobenzene	14.592	180	36118	5.921	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	30660	5.895	ug/L	99
71) Naphthalene	15.334	128	61018	5.835	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	28417	5.897	ug/L	99

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

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