

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121823\
 Data File : VD077943.D
 Acq On : 18 Dec 2023 12:08
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025232

Quant Time: Dec 18 23:13:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/19/2023
 Supervised By :Semsettin Yesilyurt 12/19/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	243771	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	226907	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	122353	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	202658	30.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.960%
7) Chloroethane-d5	2.811	69	167365	31.586	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	126.360%
11) 1,1-Dichloroethene-d2	3.928	65	42847m	24.858	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.440%
21) 2-Butanone-d5	6.987	46	35053	41.721	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.440%
24) Chloroform-d	7.569	84	176772	26.906	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.640%
26) 1,2-Dichloroethane-d4	8.234	65	85254	25.611	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.440%
32) Benzene-d6	8.204	84	372844	27.283	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.120%
36) 1,2-Dichloropropane-d6	9.210	67	107563	25.797	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.200%
41) Toluene-d8	10.269	98	352414	28.017	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.080%
43) trans-1,3-Dichloroprop...	10.528	79	46441	25.187	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.760%
47) 2-Hexanone-d5	10.881	63	34227	47.636	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.280%
56) 1,1,2,2-Tetrachloroeth...	12.657	84	83056	27.565	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.240%
66) 1,2-Dichlorobenzene-d4	13.816	152	114790	26.225	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	87867	22.579	ug/L	95
3) Chloromethane	2.152	50	117827	21.075	ug/L	100
5) Vinyl chloride	2.293	62	174598	25.072	ug/L	96
6) Bromomethane	2.699	94	87009	23.585	ug/L	99
8) Chloroethane	2.846	64	119641	27.523	ug/L	99
9) Trichlorofluoromethane	3.187	101	147071	24.762	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	96094	27.425	ug/L	98
12) 1,1-Dichloroethene	3.952	96	84773	25.565	ug/L	91
13) Acetone	4.028	43	44496	41.335	ug/L	98
14) Carbon disulfide	4.275	76	259397	22.074	ug/L	98
15) Methyl Acetate	4.569	43	30344	19.691	ug/L #	87
16) Methylene chloride	4.810	84	95503	22.064	ug/L	89
17) trans-1,2-Dichloroethene	5.316	96	88478	25.591	ug/L	93
18) Methyl tert-butyl Ether	5.322	73	182127	23.897	ug/L	98
19) 1,1-Dichloroethane	6.116	63	160021	24.558	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	99508	25.901	ug/L	91
22) 2-Butanone	7.087	43	47814	39.464	ug/L #	58
23) Bromochloromethane	7.428	128	42974	26.867	ug/L	85
25) Chloroform	7.599	83	171302	26.703	ug/L	98

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27) 1,2-Dichloroethane	8.328	62	97365	24.265	ug/L	96
29) Cyclohexane	7.881	56	133621	22.316	ug/L	89
30) 1,1,1-Trichloroethane	7.793	97	146327	26.354	ug/L	98
31) Carbon tetrachloride	7.993	117	131813	26.996	ug/L	100
33) Benzene	8.251	78	366052	24.785	ug/L	100
34) Trichloroethene	9.028	95	97711	26.652	ug/L	95
35) Methylcyclohexane	9.275	83	161498	24.814	ug/L	94
37) 1,2-Dichloropropane	9.310	63	94398	24.515	ug/L	99
38) Bromodichloromethane	9.587	83	122606	26.183	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	149559	24.871	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	90582	42.629	ug/L #	93
42) Toluene	10.334	91	413614	26.367	ug/L	96
44) trans-1,3-Dichloropropene	10.557	75	124012	24.691	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	70128	27.117	ug/L	97
46) Tetrachloroethene	10.810	164	78121	26.426	ug/L	96
48) 2-Hexanone	10.922	43	73286m	40.577	ug/L	
49) Dibromochloromethane	11.075	129	83981	27.311	ug/L	96
50) 1,2-Dibromoethane	11.181	107	66378	26.615	ug/L #	95
51) Chlorobenzene	11.610	112	267101	27.460	ug/L	93
52) Ethylbenzene	11.687	91	458550	26.369	ug/L	96
53) m,p-Xylene	11.792	106	180512	27.472	ug/L	100
54) o-Xylene	12.122	106	171502	27.273	ug/L	92
55) Styrene	12.140	104	304391	27.663	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.675	83	84433	27.554	ug/L	96
59) Bromoform	12.304	173	54383	26.863	ug/L #	98
60) Isopropylbenzene	12.422	105	475123	26.017	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	53887	23.944	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	353380	25.764	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	358362	25.768	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	210666	26.674	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	215466	26.291	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	187891	26.438	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	12437	23.436	ug/L	96
69) 1,3,5-Trichlorobenzene	14.598	180	144719	26.910	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	118977	26.060	ug/L	97
71) Naphthalene	15.333	128	214019	25.641	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	105762	26.425	ug/L	98

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

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