

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061124\
 Data File : VD079163.D
 Acq On : 11 Jun 2024 15:09
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025893

Quant Time: Jun 12 01:00:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jun 11 02:46:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/13/2024
 Supervised By :Semsettin Yesilyurt 06/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	192682	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	191331	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	96235	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	106736	18.001	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.000%
7) Chloroethane-d5	2.799	69	111051	19.369	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.480%
11) 1,1-Dichloroethene-d2	3.911	65	19993	18.994	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.960%
21) 2-Butanone-d5	6.987	46	26387	58.182	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.360%
24) Chloroform-d	7.569	84	120831	22.428	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.720%
26) 1,2-Dichloroethane-d4	8.228	65	57299	23.055	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.240%
32) Benzene-d6	8.199	84	239659	22.595	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	9.205	67	69763	22.833	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.320%
41) Toluene-d8	10.269	98	220076	22.160	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.640%
43) trans-1,3-Dichloroprop...	10.522	79	30329	23.617	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.480%
47) 2-Hexanone-d5	10.875	63	24010	60.787	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.580%
56) 1,1,2,2-Tetrachloroeth...	12.646	84	69067	25.521	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.080%
66) 1,2-Dichlorobenzene-d4	13.810	152	76302	22.974	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	61723	20.236	ug/L	100
3) Chloromethane	2.146	50	107111	26.347	ug/L	95
5) Vinyl chloride	2.281	62	151993	22.652	ug/L	95
6) Bromomethane	2.693	94	118860	22.945	ug/L	99
8) Chloroethane	2.834	64	113028	22.983	ug/L	94
9) Trichlorofluoromethane	3.170	101	115350	22.567	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	75303	24.568	ug/L	97
12) 1,1-Dichloroethene	3.940	96	63861	23.932	ug/L	90
13) Acetone	4.011	43	40052m	61.001	ug/L	
14) Carbon disulfide	4.270	76	206384	22.171	ug/L	100
15) Methyl Acetate	4.564	43	27233	30.442	ug/L	92
16) Methylene chloride	4.799	84	91894	26.766	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	72364	25.093	ug/L	87
18) Methyl tert-butyl Ether	5.317	73	147816	28.901	ug/L #	90
19) 1,1-Dichloroethane	6.111	63	121192	26.102	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	82022	27.315	ug/L	98
22) 2-Butanone	7.081	43	42611	61.778	ug/L	94
23) Bromochloromethane	7.428	128	40923	26.881	ug/L	91
25) Chloroform	7.593	83	139659	26.493	ug/L	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	83828	27.394	ug/L	99
29) Cyclohexane	7.875	56	88975	25.774	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	115417	25.479	ug/L	99
31) Carbon tetrachloride	7.987	117	105699	25.110	ug/L	96
33) Benzene	8.252	78	302700	26.563	ug/L	100
34) Trichloroethene	9.028	95	74116	25.252	ug/L	97
35) Methylcyclohexane	9.275	83	120337	24.744	ug/L	99
37) 1,2-Dichloropropane	9.305	63	74320	26.626	ug/L	99
38) Bromodichloromethane	9.581	83	105964	27.308	ug/L	93
39) cis-1,3-Dichloropropene	10.016	75	117570	26.982	ug/L	98
40) 4-Methyl-2-pentanone	10.158	43	75550	64.838	ug/L	97
42) Toluene	10.334	91	340459	26.905	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	106559	28.920	ug/L	93
45) 1,1,2-Trichloroethane	10.734	97	69158	28.242	ug/L	95
46) Tetrachloroethene	10.805	164	62401	24.146	ug/L	93
48) 2-Hexanone	10.922	43	63261	62.742	ug/L	98
49) Dibromochloromethane	11.069	129	79847	27.535	ug/L	89
50) 1,2-Dibromoethane	11.175	107	63113	28.044	ug/L	95
51) Chlorobenzene	11.605	112	222054	26.373	ug/L	98
52) Ethylbenzene	11.681	91	354090	26.826	ug/L	97
53) m,p-Xylene	11.793	106	142651	27.546	ug/L	99
54) o-Xylene	12.122	106	138301	27.642	ug/L	89
55) Styrene	12.134	104	254468	28.684	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.669	83	80212	29.263	ug/L	93
59) Bromoform	12.299	173	47869	27.140	ug/L	97
60) Isopropylbenzene	12.422	105	356797	28.039	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	52204	30.726	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	239404	27.516	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	267686	28.766	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	166636	27.259	ug/L	98
65) 1,4-Dichlorobenzene	13.534	146	174200	26.895	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	155375	27.495	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.446	75	10750	30.778	ug/L	86
69) 1,3,5-Trichlorobenzene	14.593	180	101495	26.325	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	83328	26.024	ug/L	99
71) Naphthalene	15.334	128	173467	28.967	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	78819	28.481	ug/L	97

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

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