

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052424\
 Data File : VD079037.D
 Acq On : 25 May 2024 00:26
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025254

Quant Time: May 25 02:39:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM051724SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 24 02:12:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024
 Supervised By :Semsettin Yesilyurt 05/30/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	179073	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	182988	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	96086	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	198228	45.156	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 180.640%#		
7) Chloroethane-d5	2.799	69	189196	40.262	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 161.040%#		
11) 1,1-Dichloroethene-d2	3.911	65	29941	34.965	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 139.880%#		
21) 2-Butanone-d5	6.987	46	28836	46.408	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 92.820%		
24) Chloroform-d	7.563	84	163414	30.654	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 122.600%		
26) 1,2-Dichloroethane-d4	8.228	65	82203	32.470	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	= 129.880%		
32) Benzene-d6	8.199	84	344099	36.854	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 147.400%#		
36) 1,2-Dichloropropane-d6	9.210	67	94678	33.280	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 133.120%#		
41) Toluene-d8	10.263	98	321044	37.303	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 149.200%#		
43) trans-1,3-Dichloroprop...	10.522	79	42120	32.141	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 128.560%		
47) 2-Hexanone-d5	10.875	63	31217	54.750	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 109.500%		
56) 1,1,2,2-Tetrachloroeth...	12.646	84	89645	27.700	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 110.800%		
66) 1,2-Dichlorobenzene-d4	13.810	152	106172	32.555	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 130.240%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	54855	15.310	ug/L	100
3) Chloromethane	2.146	50	81962	18.644	ug/L	96
5) Vinyl chloride	2.281	62	145346	20.206	ug/L	97
6) Bromomethane	2.687	94	88510	17.207	ug/L	97
8) Chloroethane	2.834	64	110430	19.879	ug/L	92
9) Trichlorofluoromethane	3.170	101	114784	20.461	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	65258	18.351	ug/L	95
12) 1,1-Dichloroethene	3.928	96	54746	17.681	ug/L #	74
13) Acetone	4.028	43	21256m	28.319	ug/L	
14) Carbon disulfide	4.264	76	139778	15.578	ug/L	98
15) Methyl Acetate	4.564	43	25185	20.652	ug/L #	47
16) Methylene chloride	4.793	84	82356	19.415	ug/L	99
17) trans-1,2-Dichloroethene	5.305	96	62213	19.733	ug/L	94
18) Methyl tert-butyl Ether	5.317	73	142927	21.278	ug/L #	94
19) 1,1-Dichloroethane	6.105	63	115313	21.776	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	76987	21.409	ug/L	98
22) 2-Butanone	7.081	43	31730	36.769	ug/L	75
23) Bromochloromethane	7.422	128	38536	21.447	ug/L	93
25) Chloroform	7.593	83	143686	22.575	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	81474	22.101	ug/L	96
29) Cyclohexane	7.869	56	63994	18.196	ug/L	95
30) 1,1,1-Trichloroethane	7.793	97	108514	21.434	ug/L	99
31) Carbon tetrachloride	7.987	117	96601	20.723	ug/L	97
33) Benzene	8.246	78	290912	23.193	ug/L	100
34) Trichloroethene	9.022	95	69447	21.491	ug/L	95
35) Methylcyclohexane	9.269	83	91570	18.848	ug/L	97
37) 1,2-Dichloropropane	9.305	63	76188	23.968	ug/L	99
38) Bromodichloromethane	9.581	83	105731	23.522	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	111793	22.419	ug/L	92
40) 4-Methyl-2-pentanone	10.157	43	75475	47.006	ug/L	98
42) Toluene	10.334	91	322357	23.376	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	101550	23.035	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	68524	23.575	ug/L	93
46) Tetrachloroethene	10.804	164	56461	20.308	ug/L	92
48) 2-Hexanone	10.916	43	53157	42.707	ug/L	99
49) Dibromochloromethane	11.075	129	79752	22.568	ug/L	100
50) 1,2-Dibromoethane	11.175	107	61904	22.546	ug/L	96
51) Chlorobenzene	11.604	112	215444	22.114	ug/L	97
52) Ethylbenzene	11.681	91	341893	22.971	ug/L	99
53) m,p-Xylene	11.793	106	134729	22.628	ug/L	94
54) o-Xylene	12.116	106	134267	23.153	ug/L	100
55) Styrene	12.134	104	249831	24.378	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.669	83	81500	23.118	ug/L	98
59) Bromoform	12.299	173	51268	23.575	ug/L	97
60) Isopropylbenzene	12.422	105	347981	24.496	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	53304	24.202	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	261933	24.945	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	263958	24.739	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	166639	24.154	ug/L	96
65) 1,4-Dichlorobenzene	13.534	146	174085	23.405	ug/L	97
67) 1,2-Dichlorobenzene	13.828	146	161158	24.681	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	11293	24.614	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	100034	22.325	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	84141	22.182	ug/L	97
71) Naphthalene	15.334	128	174673	22.570	ug/L	97
72) 1,2,3-Trichlorobenzene	15.516	180	82646	23.310	ug/L	98

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

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