Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
Data File : VD078364.D
Acq On : 07 Feb 2024 19:05
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 08 00:23:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 08 00:21:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTD025241

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/08/2024
Supervised By :Semsettin Yesilyurt 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	167856	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	164437	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	80603	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	138575	29.098	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 116.400%			
7) Chloroethane-d5	2.793	69	119138	29.761	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 119.040%			
11) 1,1-Dichloroethene-d2	3.911	65	26429	25.702	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 102.800%			
21) 2-Butanone-d5	6.993	46	38929m	55.520	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 111.040%			
24) Chloroform-d	7.569	84	136065	28.431	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 113.720%			
26) 1,2-Dichloroethane-d4	8.228	65	74108	28.693	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 114.760%			
32) Benzene-d6	8.205	84	274603	28.560	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 114.240%			
36) 1,2-Dichloropropane-d6	9.210	67	85143	28.764	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 115.040%			
41) Toluene-d8	10.269	98	247840	28.698	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 114.800%			
43) trans-1,3-Dichloroprop...	10.522	79	37575	28.429	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 113.720%			
47) 2-Hexanone-d5	10.875	63	36218	60.306	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 120.620%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	79225	28.803	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 115.200%			
66) 1,2-Dichlorobenzene-d4	13.816	152	77849	26.978	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 107.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	81653	24.671	ug/L	97
3) Chloromethane	2.146	50	133827	27.803	ug/L	100
5) Vinyl chloride	2.275	62	162062	27.231	ug/L	97
6) Bromomethane	2.687	94	68792	25.496	ug/L	98
8) Chloroethane	2.828	64	105813	27.926	ug/L	95
9) Trichlorofluoromethane	3.164	101	113100	26.733	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	67317	25.570	ug/L #	80
12) 1,1-Dichloroethene	3.934	96	64046	26.286	ug/L	93
13) Acetone	4.028	43	39986	43.433	ug/L	96
14) Carbon disulfide	4.264	76	216327	24.089	ug/L #	94
15) Methyl Acetate	4.564	43	37481	27.171	ug/L #	75
16) Methylene chloride	4.799	84	80221	24.369	ug/L	97
17) trans-1,2-Dichloroethene	5.305	96	71977	26.809	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	176252	28.225	ug/L	99
19) 1,1-Dichloroethane	6.111	63	133375	28.389	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	81534	27.709	ug/L	95
22) 2-Butanone	7.081	43	55145	49.471	ug/L	99
23) Bromochloromethane	7.422	128	38179	29.374	ug/L	94
25) Chloroform	7.593	83	147695	28.809	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	93828	28.498	ug/L		95
29) Cyclohexane	7.875	56	95088	25.581	ug/L		98
30) 1,1,1-Trichloroethane	7.793	97	114783	28.476	ug/L		99
31) Carbon tetrachloride	7.993	117	97196	27.372	ug/L		100
33) Benzene	8.252	78	316241	28.540	ug/L		100
34) Trichloroethene	9.028	95	73665	26.323	ug/L		95
35) Methylcyclohexane	9.269	83	110877	25.320	ug/L		97
37) 1,2-Dichloropropane	9.305	63	80442	27.551	ug/L		99
38) Bromodichloromethane	9.581	83	112801	29.610	ug/L	#	93
39) cis-1,3-Dichloropropene	10.016	75	132188	29.086	ug/L		99
40) 4-Methyl-2-pentanone	10.157	43	109259	60.253	ug/L		100
42) Toluene	10.334	91	331936	28.793	ug/L		95
44) trans-1,3-Dichloropropene	10.552	75	114400	28.770	ug/L		99
45) 1,1,2-Trichloroethane	10.728	97	69682	29.941	ug/L		97
46) Tetrachloroethene	10.804	164	53239	27.705	ug/L		93
48) 2-Hexanone	10.922	43	81342	54.994	ug/L		97
49) Dibromochloromethane	11.075	129	74835	28.611	ug/L		96
50) 1,2-Dibromoethane	11.181	107	66720	29.389	ug/L		93
51) Chlorobenzene	11.604	112	210575	28.210	ug/L		96
52) Ethylbenzene	11.681	91	357719	28.886	ug/L		97
53) m,p-Xylene	11.793	106	135420	28.453	ug/L		99
54) o-Xylene	12.122	106	133102	29.001	ug/L		98
55) Styrene	12.134	104	246820	29.813	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.669	83	88279	29.605	ug/L	#	89
59) Bromoform	12.298	173	47512	29.379	ug/L		97
60) Isopropylbenzene	12.416	105	339950	27.912	ug/L		98
61) 1,2,3-Trichloropropane	12.722	75	59225	28.806	ug/L		97
62) 1,3,5-Trimethylbenzene	12.904	105	263737	27.684	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	266705	28.265	ug/L		98
64) 1,3-Dichlorobenzene	13.457	146	152493	28.058	ug/L		99
65) 1,4-Dichlorobenzene	13.534	146	157502	27.681	ug/L		98
67) 1,2-Dichlorobenzene	13.828	146	143809	27.973	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	13502	29.640	ug/L	#	88
69) 1,3,5-Trichlorobenzene	14.592	180	87652	26.177	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	76716	26.507	ug/L		97
71) Naphthalene	15.328	128	193465	28.553	ug/L		98
72) 1,2,3-Trichlorobenzene	15.516	180	73174	27.084	ug/L		100

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

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