Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031723\
Data File : VW025412.D
Acq On : 17 Mar 2023 12:04
Operator : SY/MD
Sample : 01927-13MSD
Misc : 5.93g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 17 21:41:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Mar 17 21:39:25 2023
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
DCAQ8MSD

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/20/2023
Supervised By :Mahesh Dadoda 03/20/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	759607	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	612426	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	232390	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	265224	21.000	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.000%			
7) Chloroethane-d5	2.899	69	205502	22.613	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.440%			
11) 1,1-Dichloroethene-d2	4.027	63	549920	22.543	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.160%			
21) 2-Butanone-d5	7.075	46	127652	41.176	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 82.360%			
24) Chloroform-d	7.648	84	528695	24.143	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.560%			
26) 1,2-Dichloroethane-d4	8.307	65	277894	23.643	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.560%			
32) Benzene-d6	8.276	84	1083406	25.890	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 103.560%			
36) 1,2-Dichloropropane-d6	9.270	67	337260	26.052	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.200%			
41) Toluene-d8	10.325	98	918592	24.897	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.600%			
43) trans-1,3-Dichloroprop...	10.575	79	109438	21.230	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 84.920%			
47) 2-Hexanone-d5	10.922	63	81176	43.607	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.220%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	213492	22.510	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.040%			
66) 1,2-Dichlorobenzene-d4	13.855	152	191298	22.136	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	167742	19.323	ug/L	92
3) Chloromethane	2.223	50	247826	24.004	ug/L	97
5) Vinyl chloride	2.375	62	278091	23.841	ug/L	100
6) Bromomethane	2.790	94	129217	20.779	ug/L	97
8) Chloroethane	2.930	64	163848	24.440	ug/L	98
9) Trichlorofluoromethane	3.265	101	213471	21.144	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	218701	22.338	ug/L	96
12) 1,1-Dichloroethene	4.045	96	222812m	23.522	ug/L	
13) Acetone	4.119	43	105670	35.458	ug/L	99
14) Carbon disulfide	4.393	76	706045	23.973	ug/L	98
15) Methyl Acetate	4.667	43	83757	14.981	ug/L	100
16) Methylene chloride	4.917	84	246021	23.260	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	237620	23.930	ug/L	92
18) Methyl tert-butyl Ether	5.429	73	350707	23.460	ug/L	100
19) 1,1-Dichloroethane	6.222	63	501756	24.401	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	262504	24.145	ug/L #	100
22) 2-Butanone	7.173	43	144028	37.360	ug/L	98
23) Bromochloromethane	7.514	128	105915	22.654	ug/L	90
25) Chloroform	7.679	83	463309	23.968	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	301054	23.337	ug/L		99
29) Cyclohexane	7.953	56	417797	24.168	ug/L		98
30) 1,1,1-Trichloroethane	7.874	97	359350	24.683	ug/L		99
31) Carbon tetrachloride	8.069	117	316096	24.222	ug/L		99
33) Benzene	8.325	78	1029895	26.303	ug/L		100
34) Trichloroethene	9.093	95	253496	24.667	ug/L		97
35) Methylcyclohexane	9.337	83	346755	19.587	ug/L		98
37) 1,2-Dichloropropane	9.368	63	275891	25.598	ug/L		99
38) Bromodichloromethane	9.642	83	312464	24.858	ug/L		98
39) cis-1,3-Dichloropropene	10.075	75	337610	21.743	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	304463	47.000	ug/L		100
42) Toluene	10.386	91	1027444	25.414	ug/L		99
44) trans-1,3-Dichloropropene	10.605	75	277429	21.336	ug/L		99
45) 1,1,2-Trichloroethane	10.782	97	172760	23.868	ug/L		99
46) Tetrachloroethene	10.861	164	164141	22.447	ug/L		98
48) 2-Hexanone	10.965	43	208101	44.652	ug/L		99
49) Dibromochloromethane	11.130	129	181973	23.530	ug/L		97
50) 1,2-Dibromoethane	11.233	107	149859	22.367	ug/L	#	99
51) Chlorobenzene	11.654	112	578247	22.537	ug/L		97
52) Ethylbenzene	11.727	91	1051494	22.805	ug/L		100
53) m,p-Xylene	11.837	106	388831	22.864	ug/L		99
54) o-Xylene	12.166	106	367877	22.988	ug/L		95
55) Styrene	12.178	104	601078	21.995	ug/L		96
57) 1,1,2,2-Tetrachloroethane	12.715	83	190804	21.192	ug/L		98
59) Bromoform	12.349	173	89844	26.797	ug/L		99
60) Isopropylbenzene	12.459	105	946693	27.327	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	142107	28.067	ug/L		100
62) 1,3,5-Trimethylbenzene	12.940	105	719304	26.217	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	693388	25.654	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	328506	22.379	ug/L		98
65) 1,4-Dichlorobenzene	13.574	146	331875	22.041	ug/L		93
67) 1,2-Dichlorobenzene	13.867	146	292041	22.182	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.483	75	27657	23.595	ug/L	#	92
69) 1,3,5-Trichlorobenzene	14.623	180	156093	15.643	ug/L		98
70) 1,2,4-trichlorobenzene	15.129	180	108330	13.094	ug/L		99
71) Naphthalene	15.360	128	253021	15.493	ug/L		100
72) 1,2,3-Trichlorobenzene	15.549	180	91585	12.324	ug/L		95

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

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