Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122124\
Data File : VW031494.D
Acq On : 22 Dec 2024 06:27
Operator : SY/MD
Sample : P5322-03MS
Misc : 5.35g/10mL/MSVOA_W/SOIL/A
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YE5X6MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/26/2024
Supervised By :Semsettin Yesilyurt 12/26/2024

Quant Time: Dec 23 02:16:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121324SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Dec 23 01:56:19 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	758665	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	527048	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	137661	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	222072	19.454	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.800%			
7) Chloroethane-d5	2.899	69	179872	21.302	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.200%			
11) 1,1-Dichloroethene-d2	4.021	65	89190	16.472	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 65.880%			
21) 2-Butanone-d5	7.106	46	49067	22.825	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 45.640%			
24) Chloroform-d	7.654	84	366378	17.626	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 70.520%			
26) 1,2-Dichloroethane-d4	8.307	65	188951	18.100	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 72.400%			
32) Benzene-d6	8.276	84	701455	20.765	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 83.040%			
36) 1,2-Dichloropropane-d6	9.270	67	212758	21.610	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 86.440%			
41) Toluene-d8	10.319	98	553606	17.616	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 70.480%			
43) trans-1,3-Dichloroprop...	10.575	79	58698	12.930	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 51.720%			
47) 2-Hexanone-d5	10.922	63	37300	28.172	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 56.340%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	130300	21.079	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 84.320%			
66) 1,2-Dichlorobenzene-d4	13.848	152	98817	19.336	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 77.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	100411	14.645	ug/L	99
3) Chloromethane	2.223	50	107409	13.944	ug/L	98
5) Vinyl chloride	2.369	62	175893	16.477	ug/L	97
6) Bromomethane	2.796	94	92604	14.110	ug/L	99
8) Chloroethane	2.936	64	116446	18.343	ug/L	98
9) Trichlorofluoromethane	3.271	101	173476	15.255	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	138060	15.034	ug/L #	75
12) 1,1-Dichloroethene	4.039	96	128452	13.811	ug/L	89
13) Acetone	4.179	43	54784m	18.299	ug/L	
14) Carbon disulfide	4.387	76	283419	9.344	ug/L	98
15) Methyl Acetate	4.692	43	36568	10.754	ug/L	99
16) Methylene chloride	4.917	84	158413	16.595	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	136017	13.567	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	280737	16.750	ug/L	99
19) 1,1-Dichloroethane	6.222	63	289031	15.428	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	159850	14.737	ug/L	96
22) 2-Butanone	7.191	43	77384	21.333	ug/L	97
23) Bromochloromethane	7.520	128	72301	16.713	ug/L	93
25) Chloroform	7.673	83	293271	15.862	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	187631	16.142	ug/L	99
29) Cyclohexane	7.959	56	180823	12.651	ug/L	96
30) 1,1,1-Trichloroethane	7.874	97	220553	16.190	ug/L	98
31) Carbon tetrachloride	8.069	117	170438	14.043	ug/L	98
33) Benzene	8.325	78	577592	17.734	ug/L	100
34) Trichloroethene	9.093	95	131807	14.334	ug/L	92
35) Methylcyclohexane	9.337	83	169237	10.568	ug/L	97
37) 1,2-Dichloropropane	9.368	63	156753	19.292	ug/L	100
38) Bromodichloromethane	9.648	83	175407	16.606	ug/L	93
39) cis-1,3-Dichloropropene	10.075	75	171231	12.471	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	149552	34.693	ug/L	98
42) Toluene	10.386	91	524625	14.794	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	137411	12.257	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	107230	19.841	ug/L	97
46) Tetrachloroethene	10.861	164	67280	9.989	ug/L	92
48) 2-Hexanone	10.971	43	102128	27.856	ug/L	96
49) Dibromochloromethane	11.123	129	100592	15.702	ug/L	87
50) 1,2-Dibromoethane	11.233	107	90295	17.637	ug/L	99
51) Chlorobenzene	11.654	112	300394	13.511	ug/L	97
52) Ethylbenzene	11.727	91	472705	11.502	ug/L	96
53) m,p-Xylene	11.837	106	176297	11.268	ug/L	94
54) o-Xylene	12.160	106	195079	13.230	ug/L	94
55) Styrene	12.178	104	288799	11.775	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	113481	19.478	ug/L	99
59) Bromoform	12.349	173	45256	23.401	ug/L	99
60) Isopropylbenzene	12.458	105	376473	16.712	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	83485	35.441	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	305716	16.007	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	302207	16.371	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	136042	14.905	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	133905	14.807	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	134931	17.158	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.482	75	14315	23.947	ug/L	89
69) 1,3,5-Trichlorobenzene	14.623	180	54056	8.456	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	38453	7.231	ug/L	95
71) Naphthalene	15.360	128	143452	15.388	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	35693	8.331	ug/L	99

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

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