Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102523\
Data File : VW027431.D
Acq On : 25 Oct 2023 09:38
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025536

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/27/2023

Quant Time: Oct 26 00:44:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Oct 25 01:28:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	372864	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	335272	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	171532	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	110496	19.418	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 77.680%			
7) Chloroethane-d5	2.899	69	90145	22.062	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.240%			
11) 1,1-Dichloroethene-d2	4.021	65	57856	20.291	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.160%			
21) 2-Butanone-d5	7.075	46	100193	52.973	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.940%			
24) Chloroform-d	7.654	84	256437	23.075	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.320%			
26) 1,2-Dichloroethane-d4	8.307	65	136420	22.852	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.400%			
32) Benzene-d6	8.276	84	508974	22.438	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.760%			
36) 1,2-Dichloropropane-d6	9.276	67	161836	23.358	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 93.440%			
41) Toluene-d8	10.325	98	431891	20.996	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 84.000%			
43) trans-1,3-Dichloroprop...	10.575	79	64061	20.279	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 81.120%			
47) 2-Hexanone-d5	10.922	63	76212	53.167	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.340%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	140098	27.102	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.400%			
66) 1,2-Dichlorobenzene-d4	13.848	152	138765	22.324	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.021	85	107620m	24.258	ug/L	
3) Chloromethane	2.222	50	125726	24.660	ug/L	99
5) Vinyl chloride	2.375	62	140522	24.674	ug/L	96
6) Bromomethane	2.789	94	77953	24.031	ug/L	96
8) Chloroethane	2.936	64	83080	25.343	ug/L	96
9) Trichlorofluoromethane	3.271	101	122196	30.413	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	126773	25.198	ug/L	98
12) 1,1-Dichloroethene	4.045	96	118135	24.162	ug/L	85
13) Acetone	4.124	43	98473	60.280	ug/L	98
14) Carbon disulfide	4.387	76	316455	20.878	ug/L	98
15) Methyl Acetate	4.673	43	74874	26.835	ug/L	98
16) Methylene chloride	4.923	84	149328	21.879	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	123963	23.591	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	234865	25.906	ug/L	99
19) 1,1-Dichloroethane	6.222	63	273354	25.497	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	148226	24.979	ug/L	97
22) 2-Butanone	7.173	43	122357	50.040	ug/L	98
23) Bromochloromethane	7.514	128	58450	23.858	ug/L	81
25) Chloroform	7.673	83	258310	25.744	ug/L	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27)	1,2-Dichloroethane	8.404	62	178569	26.199	ug/L		98
29)	Cyclohexane	7.959	56	246086	24.174	ug/L		97
30)	1,1,1-Trichloroethane	7.874	97	210298	25.714	ug/L		98
31)	Carbon tetrachloride	8.069	117	177412	24.058	ug/L		99
33)	Benzene	8.325	78	561153	25.610	ug/L		100
34)	Trichloroethene	9.093	95	144296	24.931	ug/L		94
35)	Methylcyclohexane	9.337	83	245186	23.689	ug/L		98
37)	1,2-Dichloropropane	9.367	63	158102	26.686	ug/L		99
38)	Bromodichloromethane	9.642	83	184853	25.374	ug/L		99
39)	cis-1,3-Dichloropropene	10.075	75	242221	24.750	ug/L		99
40)	4-Methyl-2-pentanone	10.209	43	226210	55.520	ug/L		98
42)	Toluene	10.386	91	588637	25.609	ug/L		95
44)	trans-1,3-Dichloropropene	10.605	75	202363	24.506	ug/L		98
45)	1,1,2-Trichloroethane	10.788	97	112078	27.491	ug/L		97
46)	Tetrachloroethene	10.861	164	99381	24.867	ug/L		87
48)	2-Hexanone	10.965	43	173991	57.697	ug/L		98
49)	Dibromochloromethane	11.129	129	110654	24.440	ug/L		100
50)	1,2-Dibromoethane	11.233	107	102315	25.885	ug/L	#	100
51)	Chlorobenzene	11.654	112	368572	25.606	ug/L		98
52)	Ethylbenzene	11.727	91	685498	25.664	ug/L		98
53)	m,p-Xylene	11.836	106	254077	25.079	ug/L		99
54)	o-Xylene	12.166	106	240818	24.823	ug/L		98
55)	Styrene	12.178	104	428987	25.891	ug/L		98
57)	1,1,2,2-Tetrachloroethane	12.708	83	140978	28.327	ug/L		99
59)	Bromoform	12.349	173	59876	23.459	ug/L		99
60)	Isopropylbenzene	12.458	105	706216	26.208	ug/L		100
61)	1,2,3-Trichloropropane	12.763	75	103197	27.553	ug/L		99
62)	1,3,5-Trimethylbenzene	12.940	105	562326	25.018	ug/L		99
63)	1,2,4-Trimethylbenzene	13.245	105	551591	25.081	ug/L		99
64)	1,3-Dichlorobenzene	13.495	146	270152	24.723	ug/L		94
65)	1,4-Dichlorobenzene	13.574	146	282260	25.865	ug/L		98
67)	1,2-Dichlorobenzene	13.867	146	248606	25.639	ug/L		93
68)	1,2-Dibromo-3-chloropr...	14.476	75	22070	23.577	ug/L		95
69)	1,3,5-Trichlorobenzene	14.623	180	177342	25.000	ug/L		95
70)	1,2,4-trichlorobenzene	15.122	180	149958	24.837	ug/L		99
71)	Naphthalene	15.360	128	307414	24.759	ug/L		99
72)	1,2,3-Trichlorobenzene	15.549	180	122297	24.633	ug/L		98

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

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