Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021023\
Data File : VY012575.D
Acq On : 10 Feb 2023 15:54
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :Krupa Patel 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

Quant Time: Feb 10 22:48:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	138144	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	201539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85591	48.723	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.440%			
35) Dibromofluoromethane	7.716	113	77201	52.599	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.179	98	321984	52.706	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.420%			
62) 4-Bromofluorobenzene	12.483	95	106789	50.115	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	47119	48.144	ug/l	96
3) Chloromethane	2.113	50	48723	45.267	ug/l	97
4) Vinyl Chloride	2.253	62	62466	46.583	ug/l	100
5) Bromomethane	2.650	94	48907	49.959	ug/l	98
6) Chloroethane	2.796	64	44950	48.158	ug/l	98
7) Trichlorofluoromethane	3.125	101	132463	48.059	ug/l	98
8) Diethyl Ether	3.528	74	37697	46.124	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	69184	49.707	ug/l	100
10) Methyl Iodide	4.088	142	93331	51.725	ug/l	99
11) Tert butyl alcohol	4.948	59	27783	160.563	ug/l	97
12) 1,1-Dichloroethene	3.869	96	65673	47.753	ug/l	96
13) Acrolein	3.729	56	45276	219.240	ug/l	98
14) Allyl chloride	4.479	41	80118	47.780	ug/l	99
15) Acrylonitrile	5.155	53	82337	218.364	ug/l	99
16) Acetone	3.948	43	98086	231.990	ug/l	100
17) Carbon Disulfide	4.192	76	152368	42.715	ug/l	98
18) Methyl Acetate	4.473	43	41025	40.369	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	191336	47.546	ug/l	100
20) Methylene Chloride	4.710	84	80181	50.834	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	72457	48.309	ug/l	98
22) Diisopropyl ether	6.113	45	172744	50.665	ug/l	97
23) Vinyl Acetate	6.052	43	494720	240.690	ug/l	99
24) 1,1-Dichloroethane	6.015	63	121046	49.662	ug/l	99
25) 2-Butanone	6.978	43	101368	216.089	ug/l	96
26) 2,2-Dichloropropane	6.978	77	133171	49.728	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	87152	50.072	ug/l	100
28) Bromochloromethane	7.332	49	46235	52.184	ug/l	100
29) Tetrahydrofuran	7.338	42	54002	212.937	ug/l	100
30) Chloroform	7.503	83	146999	50.023	ug/l	98
31) Cyclohexane	7.783	56	91980	45.287	ug/l	95
32) 1,1,1-Trichloroethane	7.698	97	143724	50.400	ug/l	99
36) 1,1-Dichloropropene	7.917	75	98049	49.359	ug/l	100
37) Ethyl Acetate	7.070	43	38388	42.828	ug/l	99
38) Carbon Tetrachloride	7.899	117	136757	51.287	ug/l	97
39) Methylcyclohexane	9.179	83	116031	48.543	ug/l	99
40) Benzene	8.155	78	292359	49.830	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.307	41	23099m	47.039	ug/l		
42) 1,2-Dichloroethane	8.234	62	94512	49.700	ug/l		100
43) Isopropyl Acetate	8.271	43	74148	44.617	ug/l		99
44) Trichloroethene	8.935	130	88569	49.591	ug/l		96
45) 1,2-Dichloropropane	9.210	63	63387	49.825	ug/l		97
46) Dibromomethane	9.301	93	40719	48.338	ug/l		99
47) Bromodichloromethane	9.496	83	110472	50.579	ug/l		98
48) Methyl methacrylate	9.289	41	34258	45.098	ug/l		98
49) 1,4-Dioxane	9.295	88	10859	933.820	ug/l		96
51) 4-Methyl-2-Pentanone	10.069	43	198478	221.358	ug/l		99
52) Toluene	10.240	92	202865	50.988	ug/l		99
53) t-1,3-Dichloropropene	10.465	75	109623	49.808	ug/l		98
54) cis-1,3-Dichloropropene	9.929	75	119849	50.320	ug/l		98
55) 1,1,2-Trichloroethane	10.642	97	61273	49.781	ug/l		95
56) Ethyl methacrylate	10.508	69	74251	48.015	ug/l		98
57) 1,3-Dichloropropane	10.789	76	95534	48.091	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.783	63	171531	246.778	ug/l		98
59) 2-Hexanone	10.831	43	151459	223.522	ug/l		100
60) Dibromochloromethane	10.984	129	82665	50.383	ug/l		100
61) 1,2-Dibromoethane	11.087	107	54992	47.683	ug/l		99
64) Tetrachloroethene	10.715	164	103886	54.225	ug/l		97
65) Chlorobenzene	11.514	112	221051	50.787	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.587	131	88177	51.697	ug/l		98
67) Ethyl Benzene	11.593	91	392091	51.312	ug/l		99
68) m/p-Xylenes	11.703	106	317838	104.206	ug/l		98
69) o-Xylene	12.026	106	150408	51.781	ug/l		99
70) Styrene	12.044	104	257952	52.363	ug/l		99
71) Bromoform	12.209	173	53534	49.656	ug/l	#	99
73) Isopropylbenzene	12.331	105	413020	51.623	ug/l		99
74) N-amyl acetate	12.142	43	65118	44.962	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.581	83	58009	44.840	ug/l		99
76) 1,2,3-Trichloropropane	12.630	75	50854m	46.029	ug/l		
77) Bromobenzene	12.611	156	97784	50.425	ug/l		96
78) n-propylbenzene	12.672	91	475445	51.630	ug/l		100
79) 2-Chlorotoluene	12.758	91	267717	51.212	ug/l		100
80) 1,3,5-Trimethylbenzene	12.813	105	353914	51.386	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.380	75	22471	45.866	ug/l		99
82) 4-Chlorotoluene	12.855	91	280294	51.113	ug/l		99
83) tert-Butylbenzene	13.075	119	315428	52.226	ug/l		98
84) 1,2,4-Trimethylbenzene	13.117	105	348796	51.469	ug/l		99
85) sec-Butylbenzene	13.251	105	452927	52.420	ug/l		100
86) p-Isopropyltoluene	13.367	119	393137	52.448	ug/l		99
87) 1,3-Dichlorobenzene	13.367	146	196726	50.987	ug/l		99
88) 1,4-Dichlorobenzene	13.447	146	194424	50.305	ug/l		99
89) n-Butylbenzene	13.697	91	333355	52.036	ug/l		100
90) Hexachloroethane	13.959	117	70682	51.374	ug/l		100
91) 1,2-Dichlorobenzene	13.739	146	174045	50.143	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11249	43.695	ug/l		99
93) 1,2,4-Trichlorobenzene	15.007	180	110314	51.293	ug/l		99
94) Hexachlorobutadiene	15.111	225	69091	51.713	ug/l		100
95) Naphthalene	15.239	128	199010	48.203	ug/l		100
96) 1,2,3-Trichlorobenzene	15.428	180	93831	50.403	ug/l		99

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

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