Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100424\
Data File : VY019795.D
Acq On : 04 Oct 2024 13:20
Operator : SY/MD
Sample : VY1004SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1004SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/07/2024
Supervised By :Semsettin Yesilyurt 10/07/2024

Quant Time: Oct 04 23:30:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	264877	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	463276	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	392488	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	183778	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	149181	60.823 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.640%		
35) Dibromofluoromethane	7.634	113	148362	56.483 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.960%		
50) Toluene-d8	10.103	98	533074	54.868 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.740%		
62) 4-Bromofluorobenzene	12.402	95	193604	51.825 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.660%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.867	85	30335	18.362 ug/l	95
3) Chloromethane	2.068	50	40568	18.512 ug/l	100
4) Vinyl Chloride	2.202	62	47379	19.994 ug/l	99
5) Bromomethane	2.592	94	30879	21.214 ug/l	99
6) Chloroethane	2.733	64	35608	22.986 ug/l	97
7) Trichlorofluoromethane	3.056	101	82407	20.862 ug/l	91
8) Diethyl Ether	3.458	74	26311	19.843 ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.812	101	51298	20.993 ug/l	95
10) Methyl Iodide	4.007	142	46218	14.752 ug/l	92
11) Tert butyl alcohol	4.824	59	6736	34.007 ug/l #	88
12) 1,1-Dichloroethene	3.787	96	41702	17.745 ug/l	83
13) Acrolein	3.659	56	9414	89.527 ug/l	97
14) Allyl chloride	4.385	41	79973	18.976 ug/l #	92
15) Acrylonitrile	5.061	53	64232	112.346 ug/l	97
16) Acetone	3.885	43	90571	155.002 ug/l	87
17) Carbon Disulfide	4.104	76	66347	10.449 ug/l #	95
18) Methyl Acetate	4.397	43	32228	20.324 ug/l	91
19) Methyl tert-butyl Ether	5.116	73	149972	22.532 ug/l	96
20) Methylene Chloride	4.623	84	60247	22.609 ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	45742	17.758 ug/l	88
22) Diisopropyl ether	6.019	45	198724	22.963 ug/l #	90
23) Vinyl Acetate	5.964	43	527854	106.784 ug/l	94
24) 1,1-Dichloroethane	5.915	63	107634	22.164 ug/l	98
25) 2-Butanone	6.896	43	111157	133.755 ug/l #	82
26) 2,2-Dichloropropane	6.890	77	103087	23.533 ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	66008	21.096 ug/l	85
28) Bromochloromethane	7.250	49	41121	20.125 ug/l	82
29) Tetrahydrofuran	7.268	42	52470	103.841 ug/l #	85
30) Chloroform	7.421	83	115705	23.340 ug/l	98
31) Cyclohexane	7.701	56	72149	16.437 ug/l #	90
32) 1,1,1-Trichloroethane	7.616	97	96775	21.779 ug/l	95
36) 1,1-Dichloropropene	7.835	75	66978	18.739 ug/l	96
37) Ethyl Acetate	6.988	43	38817	21.196 ug/l	96
38) Carbon Tetrachloride	7.823	117	79017	19.605 ug/l	97
39) Methylcyclohexane	9.110	83	75054	15.779 ug/l	89
40) Benzene	8.079	78	221967	20.163 ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	24287	22.751	ug/l	#	77
42) 1,2-Dichloroethane	8.158	62	65958	22.266	ug/l		94
43) Isopropyl Acetate	8.201	43	81102	21.079	ug/l	#	78
44) Trichloroethene	8.866	130	54475	19.241	ug/l		91
45) 1,2-Dichloropropane	9.140	63	59741	22.198	ug/l		96
46) Dibromomethane	9.231	93	32051	21.777	ug/l		91
47) Bromodichloromethane	9.420	83	88461	22.360	ug/l		96
48) Methyl methacrylate	9.219	41	36189	19.918	ug/l		85
49) 1,4-Dioxane	9.238	88	6784	391.554	ug/l	#	77
51) 4-Methyl-2-Pentanone	10.000	43	213350	110.223	ug/l		91
52) Toluene	10.170	92	140503	19.845	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	75915	20.130	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	90131	20.525	ug/l	#	88
55) 1,1,2-Trichloroethane	10.573	97	44717	22.002	ug/l		92
56) Ethyl methacrylate	10.439	69	61183	19.817	ug/l	#	77
57) 1,3-Dichloropropane	10.713	76	77178	22.091	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	147495	102.931	ug/l		96
59) 2-Hexanone	10.762	43	167840	118.275	ug/l		88
60) Dibromochloromethane	10.908	129	57850	21.517	ug/l		99
61) 1,2-Dibromoethane	11.012	107	38542	20.353	ug/l		99
64) Tetrachloroethene	10.646	164	44141	18.161	ug/l		95
65) Chlorobenzene	11.438	112	163137	21.130	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	59738	22.348	ug/l		98
67) Ethyl Benzene	11.518	91	289986	21.139	ug/l		97
68) m/p-Xylenes	11.627	106	206738	39.856	ug/l		90
69) o-Xylene	11.950	106	105413	20.780	ug/l		94
70) Styrene	11.969	104	181309	21.169	ug/l		95
71) Bromoform	12.127	173	31168	20.414	ug/l	#	95
73) Isopropylbenzene	12.249	105	292358	21.928	ug/l		98
74) N-amyl acetate	12.066	43	74569	20.565	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	55325	23.379	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	34925m	20.275	ug/l		
77) Bromobenzene	12.530	156	62151	21.019	ug/l		88
78) n-propylbenzene	12.591	91	347570	21.994	ug/l		98
79) 2-Chlorotoluene	12.676	91	200377	21.758	ug/l		96
80) 1,3,5-Trimethylbenzene	12.731	105	231012	21.313	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	16137	17.984	ug/l	#	85
82) 4-Chlorotoluene	12.773	91	205825	21.739	ug/l		96
83) tert-Butylbenzene	12.993	119	217408	22.157	ug/l		96
84) 1,2,4-Trimethylbenzene	13.042	105	234359	21.844	ug/l		96
85) sec-Butylbenzene	13.170	105	320115	22.457	ug/l		99
86) p-Isopropyltoluene	13.286	119	257690	22.095	ug/l		96
87) 1,3-Dichlorobenzene	13.286	146	125835	21.900	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	126707	22.221	ug/l		95
89) n-Butylbenzene	13.615	91	251200	22.531	ug/l		99
90) Hexachloroethane	13.877	117	51212	21.104	ug/l		88
91) 1,2-Dichlorobenzene	13.657	146	113925	22.219	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7932	20.112	ug/l		79
93) 1,2,4-Trichlorobenzene	14.919	180	63217	20.272	ug/l		98
94) Hexachlorobutadiene	15.017	225	36174	21.714	ug/l		98
95) Naphthalene	15.139	128	117913	18.881	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	52790	19.791	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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