Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
Data File : VD068699.D
Acq On : 29 Mar 2021 15:37
Operator : VA/SY
Sample : VD0329SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

Manual Integrations APPROVED
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3/30/2021 7:23:38 PM

Quant Time: Mar 30 01:04:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	301419	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.867	114	529141	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.644	117	447783	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	233305	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.332	65	165423	54.43	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.86%				
35) Dibromofluoromethane	7.914	113	172418	52.37	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.74%				
50) Toluene-d8	10.338	98	628771	49.54	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.08%				
62) 4-Bromofluorobenzene	12.632	95	217304	52.80	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	49075	20.83	ug/l		99
3) Chloromethane	2.209	50	63078	21.73	ug/l		95
4) Vinyl Chloride	2.350	62	75804	22.09	ug/l	#	88
5) Bromomethane	2.750	94	54838	21.63	ug/l		99
6) Chloroethane	2.915	64	50960	22.67	ug/l		98
7) Trichlorofluoromethane	3.268	101	90279	22.07	ug/l		99
8) Diethyl Ether	3.709	74	26995	23.87	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.097	101	56903	23.25	ug/l		99
10) Methyl Iodide	4.297	142	47461	18.79	ug/l		97
11) Tert butyl alcohol	5.232	59	16338	116.66	ug/l		99
12) 1,1-Dichloroethene	4.062	96	54307	22.79	ug/l		99
13) Acrolein	3.926	56	16585	135.46	ug/l		97
14) Allyl chloride	4.715	41	66002	22.80	ug/l		99
15) Acrylonitrile	5.426	53	60790	110.43	ug/l		97
16) Acetone	4.168	43	40768	110.56	ug/l		96
17) Carbon Disulfide	4.409	76	162622	21.26	ug/l		97
18) Methyl Acetate	4.720	43	23909	23.59	ug/l		95
19) Methyl tert-butyl Ether	5.485	73	128277	21.38	ug/l		99
20) Methylene Chloride	4.962	84	76950	20.57	ug/l		96
21) trans-1,2-Dichloroethene	5.473	96	67415	20.35	ug/l		96
22) Diisopropyl ether	6.367	45	157875	21.46	ug/l		96
23) Vinyl Acetate	6.309	43	398637	101.99	ug/l		98
24) 1,1-Dichloroethane	6.262	63	111200	20.61	ug/l		98
25) 2-Butanone	7.220	43	59002	96.57	ug/l		95
26) 2,2-Dichloropropane	7.209	77	88214	18.38	ug/l		100
27) cis-1,2-Dichloroethene	7.209	96	68666	18.60	ug/l		99
28) Bromochloromethane	7.550	49	39689	18.60	ug/l		95
29) Tetrahydrofuran	7.567	42	38630	100.02	ug/l		97
30) Chloroform	7.714	83	124213	21.18	ug/l		98
31) Cyclohexane	7.985	56	94317	19.23	ug/l		96
32) 1,1,1-Trichloroethane	7.903	97	103732	19.82	ug/l		97
36) 1,1-Dichloropropene	8.109	75	90286	19.10	ug/l		98
37) Ethyl Acetate	7.291	43	29975	20.10	ug/l		96
38) Carbon Tetrachloride	8.097	117	90913	19.28	ug/l		99
39) Methylcyclohexane	9.356	83	107448	18.42	ug/l		96
40) Benzene	8.350	78	274437	19.90	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.526	41	13974	16.01	ug/l	#	83
42) 1,2-Dichloroethane	8.426	62	73636	20.41	ug/l		99
43) Isopropyl Acetate	8.450	43	60065	21.00	ug/l		100
44) Trichloroethene	9.108	130	77732	20.31	ug/l		90
45) 1,2-Dichloropropane	9.391	63	67410	20.43	ug/l		97
46) Dibromomethane	9.479	93	37080	19.77	ug/l		97
47) Bromodichloromethane	9.661	83	94386	19.61	ug/l		98
48) Methyl methacrylate	9.456	41	26595	18.34	ug/l		87
49) 1,4-Dioxane	9.456	88	8495	407.54	ug/l		98
51) 4-Methyl-2-Pentanone	10.226	43	154582	103.79	ug/l		98
52) Toluene	10.403	92	159511	18.28	ug/l		98
53) t-1,3-Dichloropropene	10.620	75	87269	19.72	ug/l		92
54) cis-1,3-Dichloropropene	10.091	75	104351	19.85	ug/l		98
55) 1,1,2-Trichloroethane	10.803	97	52970	20.07	ug/l		98
56) Ethyl methacrylate	10.661	69	54151	18.99	ug/l		96
57) 1,3-Dichloropropane	10.944	76	87791	20.39	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.944	63	117265	80.72	ug/l		99
59) 2-Hexanone	10.985	43	99655	99.65	ug/l		98
60) Dibromochloromethane	11.138	129	64122	19.59	ug/l		97
61) 1,2-Dibromoethane	11.244	107	51352	20.16	ug/l		99
64) Tetrachloroethene	10.873	164	60854	20.96	ug/l		96
65) Chlorobenzene	11.667	112	178203	20.22	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.744	131	62498	19.71	ug/l		97
67) Ethyl Benzene	11.744	91	299719	19.50	ug/l		100
68) m/p-Xylenes	11.850	106	257400	42.97	ug/l		99
69) o-Xylene	12.179	106	116649	21.01	ug/l		99
70) Styrene	12.197	104	203635	21.34	ug/l		99
71) Bromoform	12.355	173	37507	22.43	ug/l	#	99
73) Isopropylbenzene	12.479	105	319148	19.91	ug/l		99
74) N-amyl acetate	12.285	43	54160	20.27	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.726	83	57624	20.35	ug/l		98
76) 1,2,3-Trichloropropane	12.779	75	54899m	28.27	ug/l		
77) Bromobenzene	12.761	156	75724	20.14	ug/l		99
78) n-propylbenzene	12.820	91	378364	19.82	ug/l		99
79) 2-Chlorotoluene	12.902	91	202761	19.47	ug/l		97
80) 1,3,5-Trimethylbenzene	12.955	105	253516	19.56	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.526	75	17445	20.44	ug/l		98
82) 4-Chlorotoluene	13.002	91	217760	19.57	ug/l		96
83) tert-Butylbenzene	13.220	119	224550	20.32	ug/l		100
84) 1,2,4-Trimethylbenzene	13.267	105	265924	19.86	ug/l		99
85) sec-Butylbenzene	13.397	105	319831	19.91	ug/l		100
86) p-Isopropyltoluene	13.514	119	290197	19.85	ug/l		99
87) 1,3-Dichlorobenzene	13.514	146	149938	20.00	ug/l		99
88) 1,4-Dichlorobenzene	13.591	146	146605	19.89	ug/l		97
89) n-Butylbenzene	13.838	91	268904	19.38	ug/l		100
90) Hexachloroethane	14.108	117	57175	21.74	ug/l		99
91) 1,2-Dichlorobenzene	13.885	146	128318	20.14	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8429	20.80	ug/l		97
93) 1,2,4-Trichlorobenzene	15.155	180	83158	20.09	ug/l		96
94) Hexachlorobutadiene	15.261	225	45108	19.09	ug/l		96
95) Naphthalene	15.396	128	142955	19.73	ug/l		98
96) 1,2,3-Trichlorobenzene	15.585	180	72680	20.62	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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