Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041123\
Data File : VD075622.D
Acq On : 11 Apr 2023 16:10
Operator : KP/SY
Sample : VD0411SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0411SBS01

Quant Time: Apr 12 02:56:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 11 18:54:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.875	168	197386	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.775	114	341646	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.581	117	373678	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	197856	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.228	65	88207	54.474	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.940%				
35) Dibromofluoromethane	7.805	113	107951	53.915	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.840%				
50) Toluene-d8	10.269	98	412916	52.577	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.160%				
62) 4-Bromofluorobenzene	12.575	95	140443	57.844	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.680%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.934	85	28540	20.466	ug/l		99
3) Chloromethane	2.146	50	48977	17.754	ug/l		97
4) Vinyl Chloride	2.281	62	67477	19.876	ug/l		99
5) Bromomethane	2.675	94	53754	19.884	ug/l		99
6) Chloroethane	2.828	64	48997	20.574	ug/l		96
7) Trichlorofluoromethane	3.170	101	59691	20.611	ug/l		94
8) Diethyl Ether	3.593	74	19447	21.741	ug/l		65
9) 1,1,2-Trichlorotrifluo...	3.964	101	39840	20.900	ug/l		91
10) Methyl Iodide	4.164	142	44562	19.551	ug/l		91
11) Tert butyl alcohol	5.058	59	10699	139.759	ug/l	#	100
12) 1,1-Dichloroethene	3.940	96	36055	19.705	ug/l		85
13) Acrolein	3.799	56	15256	128.927	ug/l		98
14) Allyl chloride	4.564	41	34859	21.110	ug/l	#	80
15) Acrylonitrile	5.252	53	38953	113.643	ug/l		98
16) Acetone	4.022	43	35710	121.032	ug/l	#	82
17) Carbon Disulfide	4.269	76	88094	18.602	ug/l		97
18) Methyl Acetate	4.569	43	20912	23.485	ug/l	#	66
19) Methyl tert-butyl Ether	5.322	73	80208	20.741	ug/l		93
20) Methylene Chloride	4.799	84	92820	34.285	ug/l	#	73
21) trans-1,2-Dichloroethene	5.305	96	43194	20.000	ug/l	#	72
22) Diisopropyl ether	6.211	45	86330	21.312	ug/l	#	88
23) Vinyl Acetate	6.158	43	206616	108.677	ug/l	#	86
24) 1,1-Dichloroethane	6.111	63	69379	20.741	ug/l		95
25) 2-Butanone	7.081	43	45801	119.615	ug/l	#	66
26) 2,2-Dichloropropane	7.075	77	64480	21.013	ug/l		93
27) cis-1,2-Dichloroethene	7.087	96	50566	19.885	ug/l		83
28) Bromochloromethane	7.428	49	24096	21.082	ug/l	#	47
29) Tetrahydrofuran	7.446	42	23093	113.889	ug/l	#	49
30) Chloroform	7.599	83	80131	21.057	ug/l		93
31) Cyclohexane	7.875	56	44886	19.053	ug/l	#	54
32) 1,1,1-Trichloroethane	7.793	97	65479	20.676	ug/l		96
36) 1,1-Dichloropropene	8.010	75	53118	20.773	ug/l		95
37) Ethyl Acetate	7.169	43	18847	24.515	ug/l	#	79
38) Carbon Tetrachloride	7.993	117	50476	20.584	ug/l		99
39) Methylcyclohexane	9.275	83	55756	18.311	ug/l		91
40) Benzene	8.252	78	171027	20.756	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.399	41	9706	23.053	ug/l	#	67
42) 1,2-Dichloroethane	8.328	62	42129	22.005	ug/l		92
43) Isopropyl Acetate	8.363	43	33910	23.105	ug/l	#	79
44) Trichloroethene	9.028	130	48247	19.991	ug/l		94
45) 1,2-Dichloropropane	9.305	63	39560	20.581	ug/l	#	86
46) Dibromomethane	9.399	93	25124	21.052	ug/l		95
47) Bromodichloromethane	9.587	83	60709	21.035	ug/l		92
48) Methyl methacrylate	9.381	41	14087	21.180	ug/l	#	56
49) 1,4-Dioxane	9.387	88	5336	493.232	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.157	43	90136	114.089	ug/l	#	78
52) Toluene	10.334	92	109916	19.751	ug/l		92
53) t-1,3-Dichloropropene	10.557	75	54046	20.660	ug/l		96
54) cis-1,3-Dichloropropene	10.016	75	66097	20.780	ug/l	#	75
55) 1,1,2-Trichloroethane	10.734	97	38742	22.013	ug/l		92
56) Ethyl methacrylate	10.599	69	34984	20.623	ug/l	#	67
57) 1,3-Dichloropropane	10.881	76	57012	21.514	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.869	63	88452	107.847	ug/l	#	87
59) 2-Hexanone	10.922	43	65971	118.529	ug/l		76
60) Dibromochloromethane	11.075	129	43096	20.509	ug/l		98
61) 1,2-Dibromoethane	11.181	107	34174	20.317	ug/l		98
64) Tetrachloroethene	10.810	164	39206	17.444	ug/l		96
65) Chlorobenzene	11.610	112	146001	20.128	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.681	131	53290	20.775	ug/l		96
67) Ethyl Benzene	11.687	91	232097	19.394	ug/l		95
68) m/p-Xylenes	11.793	106	193424	39.240	ug/l		89
69) o-Xylene	12.122	106	89336	19.394	ug/l		91
70) Styrene	12.134	104	156135	19.475	ug/l		93
71) Bromoform	12.298	173	30923	23.324	ug/l	#	95
73) Isopropylbenzene	12.422	105	218892	17.828	ug/l		97
74) N-amyl acetate	12.234	43	34905	20.270	ug/l	#	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	49179	21.414	ug/l		98
76) 1,2,3-Trichloropropane	12.722	75	28124m	18.163	ug/l		
77) Bromobenzene	12.704	156	64032	20.662	ug/l		84
78) n-propylbenzene	12.763	91	288633	19.552	ug/l		96
79) 2-Chlorotoluene	12.851	91	162329	19.882	ug/l		92
80) 1,3,5-Trimethylbenzene	12.904	105	198448	19.735	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.469	75	12334	18.256	ug/l	#	75
82) 4-Chlorotoluene	12.951	91	170769	20.163	ug/l		91
83) tert-Butylbenzene	13.169	119	165005	18.899	ug/l		93
84) 1,2,4-Trimethylbenzene	13.216	105	198290	19.527	ug/l		92
85) sec-Butylbenzene	13.345	105	256953	19.259	ug/l		97
86) p-Isopropyltoluene	13.463	119	214086	19.088	ug/l		94
87) 1,3-Dichlorobenzene	13.463	146	128316	19.828	ug/l		95
88) 1,4-Dichlorobenzene	13.540	146	130493	20.389	ug/l		96
89) n-Butylbenzene	13.787	91	187202	18.358	ug/l		97
90) Hexachloroethane	14.057	117	42306	19.941	ug/l		93
91) 1,2-Dichlorobenzene	13.834	146	112557	20.178	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5563	19.364	ug/l		86
93) 1,2,4-Trichlorobenzene	15.098	180	48325	16.334	ug/l		97
94) Hexachlorobutadiene	15.204	225	23071	16.462	ug/l		96
95) Naphthalene	15.334	128	91369	16.264	ug/l		100
96) 1,2,3-Trichlorobenzene	15.522	180	42883	16.359	ug/l		97

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

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